Prakash Industries Limited

(AN ISO 9001, 14001, 45001 AND 50001 Certified Company)
Champa-495671, Distt. - Janjgir-Champa (Chhattisgarh)
CIN: L27109HR1980PLC010724
Phone: 07819-283000 (12 Lines)
Fax: 07819-245367/283594, Web. – www.prakash.com

PIL/EHS/ENV/MoEF&CC/2024/182 **Date : 13.11.2024**

The Addl. Director General of Forest,
Ministry of Environment,Forests and Climate Change (MoEF&CC),
Integrated Regional Office,
Aranya Bhawan, North Block, Sector-19,
Nava Raipur, Atal Nagar, Raipur (C.G.) 492002

Sub: Six Monthly Environment Clearance Compliance Status Report along with Monitoring Data for Ambient Air, Water, Noise and Stack Emissions etc.

Ref.: 1. Environment Clearance no. J-11011/522/2008-IA II (I) dtd 03.11.2010 & subsequent Extension of validity of Environmental Clearance dtd 07.08.2019.

Sir,

This has reference to the above subject matter. Please find enclosed herewith six monthly Environmental Clearance Compliance status report alongwith Environmental Monitoring Data for Ambient Air, Water, Noise, Stack Emission, Solid Waste, Expenses for Environmental Management & Corporate Social Responsibility and Green Belt development details for the period of April 2024 to September 2024.

We hope you will find the above in order.

Thanking you,

Yours faithfully,
For PRAKASH INDUSTRIES LIMITED,

13/11/2024

Prakash Industries Ltd. Champa (C.G.)

Santosh Thawait
Asst. General Manager – EHS

Encl.: As above.

CC TO:

The Member Secretary, **Chhattisgarh Environment Conservation Board (CECB), Paryavas Bhawan,** **North Block, Sector – 19, Nava Raipur,** **Atal Nagar, Raipur (C.G.) 492002**	**The Regional Director,** **Central Pollution Control Board (CPCB),** **Parivesh Bhawan, E-5, Paryavaran Parisar,** **Arera Colony, Bhopal (M.P.) 462016**
The Regional Officer, **Chhattisgarh Environment Conservation Board (CECB),** **Near Dindayal Upadhyay Park, Vyapar Vihar, Bilaspur (C.G.) 495001**	

Monitoring for the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change
Regional Office, Raipur

MONITORING REPORT
PART – I
DATA SHEET

Sl. No.	Particulate	Descriptions
1	Project type: River- valley/ Mining/ Industry/ Thermal/ Nuclear/ Other (Specify)	Industry – Integrated Steel Plant comprising of Sponge Iron, Power and Steel Manufacturing
2	Name of the project	Sponge, Power, Bloom, Billet, Ferro alloys, Sinter and Oxygen Plant
3	Clearance letter (s)/ OM No. and date	NO. J-11011/522/2008-IA.II (I) dtd. 03.11.2010 & subsequent Extension of Validity of Environmental Clearance dtd 07.08.2019.
4	Location: a) District (s) b) State (s) c) Location Latitude/Longitude	 Janjgir – Champa Chhattisgarh – 495671 Latitude: 22^0 00' 16.74"N, Longitude: 82^0 40' 11.35"E,
5	Address for correspondence **a)** Address of the Concerned Project Chief Engineer (with Pin Code, Email & telephone/telex/fax numbers) **b)** Address of the Executive Projects Engineer/Manager (with Pin Code & telephone/telex/fax numbers)	 Sh. Sanjay Jain Director, Vill. – Hathneora, P.O. – Champa,Tehsil – Champa, Dist.: – Janjgir-Champa, Chhattisgarh Pin Code – 495671 Email– sanjayjain@prakash.com Telephone (O): 07819–283000, Fax: 07819–245367 Sh. Santosh Thawait Asst. General Manager – EHS Vill. – Hathneora, P.O. – Champa,Tehsil – Champa, Dist.: – Janjgir-Champa, Chhattisgarh Pin Code – 495671 Email- ehs@prakash.com Telephone (O): 07819-283000, Fax: 07819–245367
6	Salient features **a)** Of the project **b)** Of the Environmental management plans	 As per annexure- XI As per annexure- XII
7	Break up of the project area a) Submergence area: forest & non forest b) Others	 Non forest. These projects are setup on 601.52 Acres of land.
	a. Total Plot Area	601.52 Acres
	b. Built – Up Area (Inducing Road)	203.52 Acres
	c. Open Space available	158 Acres
	d. Green belt area	240 Acres
8	Break up of the project affected population with enumeration of those losing houses/dwelling units only, agricultural land only both dwelling units & agricultural land & landless laborers/artisans: a) SC, ST/Adivasi	No population has affected adversely as the Plant is installed in available land area of 601.52 Acres already in possession. No R & R issues involved.

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	b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out give details & year of survey)	Not Applicable.
9	Financial details: a) Projects cost as originally planed and subsequent revised estimates and the year of price reference. b) Allocation made for environmental management plans with item wise and year wise break-up c) Benefit cost ratio/Internal rate of Return and the year of assessment d) Whether (c) includes the cost of environmental management as shown in the above e) Actual expenditure incurred on the projects so far f) Actual expenditure incurred on the environmental management plans so far	The capital cost of the existing plant (Integrated Steel Plant) as on 30-09-2024 is 4766 Crores (Sponge Iron, West Heat Recovery Boiler, Captive Power Plant, Steel Manufacturing, Sinter Plant, Oxygen Plant & Submerged Arc Furnace Division). The cost of environmental protection measures would be an annual recurring cost of Rs. 20.0 Cr. IRR 10%, Assessment year – 2008. ---- ---- ----
10	Forest land requirement: **a)** The status of approval for diversion of forest land for non-forestry use **b)** The status of clearing felling **c)** The status of compensatory afforestation programme in the light of actual field experience **d)** Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	The Plant has setup on existing Government Revenue land of 601.52 Acres. No Forest land is required. Not Applicable. Not Applicable. Not Applicable.
11	The status of clear felling in non-forest area (Such as submergence area of reservoir, Approach roads), if any with quantitative information.	Not Applicable.
12	Status of construction (Actual &/or planed) a) Date of commencement (Actual &/or planed) b) Date of completion (Actual &/or planed)	Existing Plant & Capacities: Sl. No. / Plant / Capacity / Date of commencement of Production 1 / Kiln–1 & WHRB–1 / 2.0 LTPA & 12.5 MW / 01-11-1993

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2	Kiln–2 & WHRB–2	2.0 LTPA & 12.5 MW	08-07-1996
3	Kiln–3 & WHRB–3	2.0 LTPA & 12.5 MW	12-12-2009
4	Kiln–4 & WHRB–4	2.0 LTPA & 12.5 MW	15-02-2012
5	Kiln–5 & WHRB–5	2.0 LTPA & 12.5 MW	14-06-2017
6	Kiln–6 & WHRB–6	2.0 LTPA & 12.5 MW	15-10-2019

Total = Sponge Iron – 12.0 LTPA & Co-generation of Power Plant based on WHRB – 75 MW.

7	FBB – 1	12.5 MW	01-08-1999
8	FBB – 2&3	50 MW	01-03-2005
9	FBB – 4	25 MW	01-09-2011
10	FBB – 5	25 MW	01-03-2012
11	FBB – 6	25 MW	01-03-2012
12	FBB – 7	25 MW	20-04-2012

Total = Captive Power Plant – 162.5 MW

13	Steel Manufacturing (Induction Furnace no – 01 to 25 nos.)	7.5 LTPA	17-10-1993 25-09-1997 17-08-2009 09-04-2010
14	Induction Furnace no – 26	0.40 LTPA	25-09-2013
15	Induction Furnace no – 27	0.50 LTPA	19-10-2013
16	Induction Furnace no – 28 & 29	1.0 LTPA	01-12-2013 01-01-2014
Amendment in consent for capacity from 9.40 LTPA to 10.0 LTPA on 06-10-2018			
17	Induction Furnace no – 30,31&32	1.32 LTPA	28-10-2019
18	Induction Furnace no – 33	0.44 LTPA	28-10-2019
19	Induction Furnace no – 34 & 35	0.74 LTPA	01-11-2020

Total = Steel Manufacturing – 12.50 LTPA (From 35 Nos Induction Furnaces)

20	SAF – 1	7500 KVA	22-11-2004
21	SAF – 2	7500 KVA	11-02-2005

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		22	SAF – 3	7500 KVA	20-07-2005
		23	SAF – 4	7500 KVA	18-10-2008
		24	SAF – 5	7500 KVA	21-06-2013
		25	SAF – 6	7500 KVA	21-06-2013
		26	SAF – 7	7500 KVA	04-03-2015
		27	SAF – 8	7500 KVA	06-06-2015
		28	SAF – 9	7500 KVA	17-02-2017
		Total = Submerged Arc Furnace – 9 nos x 7500 KVA (Capacity – 1,15,000 Ton per Annum)			
		29	Sinter Plant	1.0 LTPA	08-01-2020
		30	Oxygen Plant	08 TPD	08-01-2020
13	Reason for the delay I the project is yet to start.	No Delay : Plant in operation.			
14	Dates of site visits a) The dates on which the Project was monitored by Regional Office on previous occasions, if any b) Date of site visit for this monitoring Report	29-10-2013 and 20-01-2018. 25-07-2022, 21-03-2023 and 21-07-2023.			
15	Details of correspondence with project authorities for obtaining action plan / information on status of compliance to safeguard other then the routine latter for logistic support for site visit. (The monitoring report may obtain the details of all the latter issued so far but the later report may cover only the latter issued subsequently)	Details are as under:- MoEF&CC letter no. 5-76/2010 (Env) / 352 09.05.2016. PIL/EHS/ENV/MoEF&CC/2020/32 dtd. 20.05.2020, PIL/EHS/ENV/MoEF&CC/2020/ 109 dtd. 27.10.2020, (Six Monthly Compliance Report Submitted) PIL/EHS/ENV/MoEF&CC/2021/200 dtd. 24.04.2021, PIL/EHS/ENV/MoEF&CC/2021/ 318 dtd. 26.10.2021, (Six Monthly Compliance Report Submitted) PIL/EHS/ENV/MoEF&CC/2022/440 dtd. 03.05.2022, (Six Monthly Compliance Report Submitted) MoEF&CC letter no. 5-81/2009 (Env) / 785 01.07.2022. Our letter. PIL/EHS/ENV/MoEF&CC/2022/501 dtd. 14.07.2022, PIL/EHS/ENV/MoEF&CC/2022/ 520 dtd. 06.08.2022. (Information letter submitted) MoEF&CC letter no. 5-76/2009 (Env) / 890 24.08.2022. Our letter. PIL/EHS/ENV/MoEF&CC/2022/559 dtd. 13.10.2022 (Information letter submitted) Our letter. PIL/EHS/ENV/MoEF&CC/2022/575 dtd.01.11.2022, PIL/EHS/ENV/MoEF&CC/2023/718 dtd. 20.05.2023, (Six Monthly Compliance Report Submitted) Our letter. PIL/EHS/ENV/MoEF&CC/2023/828 dtd. 03.11.2023, (Six Monthly Compliance Report Submitted) Our letter. PIL/EHS/ENV/MoEF&CC/2024/962 dtd. 21.05.2024, (Six Monthly Compliance Report Submitted)			

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Prakash Industries Limited, Champa

Compliance status on Environmental Clearance
Vide letter No. J – 11011/522/2008-IA II (I) dated 03.11.2010 and
Subsequent Extension of validity of Environmental Clearance dtd 07.08.2019

<table>
<tr><th>Sl. No</th><th>Condition No</th><th>Condition as per Environmental Clearance dtd 03.11.2010 and Subsequent Extension of validity of Environmental Clearance dtd 07.08.2019</th><th>Current status of Compliance</th></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td>2</td><td></td><td>The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Prakash Industries Ltd. have proposed for the expansion of Integrated Steel Plant at Village Hathneora, Janjgir- Champa in Chhattisgarh. Total project area is 601.52 acres and expansion will be carried out in the existing plant area. No additional land is required. Green belt will be developed in 159 acres of plant area. No national park / wild life sanctuary / eco-sensitive area is located within 10 km radius. Total cost of the project is Rs. 2,240.0 Crores. Rs. 100.0 Crores and Rs. 20 Crores will be earmarked towards capital cost and recurring cost/annum for environmental protection measures.</td><td>Project proponent has consented to the conditions.</td></tr>
<tr><td>3</td><td></td><td>Following are the details of existing and proposed plants.
<table>
<tr><th>Units</th><th>Existing capacity</th><th>Proposed Capacity</th><th>Total capacity</th></tr>
<tr><td>Sponge Iron plant</td><td>0.7 MTPA</td><td>1.3 MTPA</td><td>2.0 MTPA</td></tr>
<tr><td>Captive Power plant</td><td></td><td></td><td></td></tr>
<tr><td>Co-generation power plant(WHRB)</td><td>37 MW</td><td>63 MW</td><td>100 MW</td></tr>
<tr><td>Coal based power plant</td><td>87.5 MW</td><td>100 MW</td><td>187.5 MW</td></tr>
<tr><td>BF gas based power plant</td><td>Nil</td><td>20 MW</td><td>20 MW</td></tr>
<tr><td>Total</td><td>124.5 MW</td><td>183 MW</td><td>307.5 MW</td></tr>
<tr><td>Ingots/Billets/Blooms</td><td>1.0 MTPA</td><td>1.0 MTPA</td><td>2.0 MTPA</td></tr>
<tr><td>TMT/Wire rod mill</td><td>Nil</td><td>0.6 MTPA</td><td>0.6 MTPA</td></tr>
<tr><td>Blast Furnace</td><td>Nil</td><td>1.0 MTPA from 4x350 m^3 Blast furnace .</td><td>1.0 MTPA</td></tr>
<tr><td>Ferro alloy plant</td><td>9 x 7.5 MVA (1,15,000 TPA)</td><td>Nil</td><td>9 x 7.5 MVA (1,15,000 TPA) submerged arc furnace (SAF)</td></tr>
<tr><td>Sinter plant</td><td>Nil</td><td>1.45 MTPA</td><td>1.45 MTPA</td></tr>
<tr><td>Oxygen plant</td><td>Nil</td><td>800 TPD</td><td>800 TPD</td></tr>
</table></td><td>Project proponent has consented to the conditions.

Existing capacity is in reference with EC Vide letter no. J–11011/128/2004-IA II (I) dated 27.01.2005 & Proposed capacity is according to EC Vide letter no. J–11011/522/2008-IA II (I) dated 03.11.2010 and subsequent Extension of validity of Environmental Clearance dtd 07.08.2019.

Present status is as below:-
Sponge Iron plant : - 12.0 LTPA
Captive power plant : -
Co-generation of power plant (WHRB) : - 75.0 MW
Coal based power plant :- 162.5 MW
Ingots/Billets/Blooms:-12.50 LTPA
Ferro alloy plant :- 9 nos x 7500 KVA
Sinter plant :- 1.0 LTPA
Oxygen plant :- 8 TPD</td></tr>
<tr><td>4</td><td></td><td>It is noted that ESP will be provided to WHRB, CPP, DRI Kiln and Sinter Plant to control particulate emissions less than 50 mg/Nrn^3. Dust settling chamber (DSC) for settling the dust and After Burning Chamber (ABC) for burning CO will be provided and gases will be passed through WHRB to generate</td><td>Complied.

Project proponent has provided ESPs in DRI Kiln & WHRB and CPP to control particulate emissions less than 50 mg/Nm^3. Installed dust settling chamber</td></tr>
</table>

For Prakash Industries Ltd. Champa (C.G.)

		power. Fume Extraction System to SMS and SAF will be provided. DRI kiln and blast furnace gas will be used in WHRB to produce power. Water sprinkling devices will be installed to suppress the dust at material storage yard. Closed conveyors and bag houses will be provided to reduce fugitive dust emissions. Dust extraction system will be provided to raw material handling system. Bag filters will be provided at all junction houses, crushing and screening plants for iron ore, coal and dolomite. Dry fog dust suppression system will be provided to raw material handling unit and dump yard. Venturi scrubber to control the emission from the blast furnace will be installed and water required for the same will be met from the River Hasdeo.	(DSC) for settling the dust and After Burning Chamber (ABC) for burning CO and there after the gases are passed through WHRB to generate power. PP has established ESP at Captive Power Plant. PP has established venturi scrubbers for fume extraction & bag filter in Steel Melting Shop (SMS) and bag filters are installed in SAF for the same purpose. Installed Venturi Scrubber system in Sinter plant. Water sprinkling devices are installed to suppress the dust at material storage yard. Closed conveyors and bag houses are provided to reduce fugitive dust emissions. Dust extraction systems are provided at raw material handling system. Bag filters are provided at all junction houses, crushing and screening plants of iron ore, coal and dolomite. Dry fog dust suppression systems have been provided at raw material handling unit and dump yard. The supply of required water is being obtained from River Hasdeo.
5		Total water requirement for the proposed expansion will be 18.25 MCM/annum and will be met from the river Hasdeo. Re-circulating cooling system will be used to conserve water. ETP will be installed for the treatment of wastewater. All the treated wastewater will be fully recycled. The wastewater from Gas Cleaning Plant of Blast Furnace containing suspended solids will be treated in ETP. Cooling tower blow down water after treatment in ETP will be used for dust suppression in the plant premises. Treated STP waste water will be used for green belt development. There will be zero discharge of effluent.	Complied. Total requirement of the Water is being fulfilled from river Hasdeo. Project proponent has already provided ETP capacity 19200 m^3/day for the treatment of waste water and treated water are being used for dust suppression in the plant premises and re-circulating cooling systems have been provided to conserve water. PP has already provided STP 500 m^3/day for the treatment of domestic waste water and treated water are using for green belt development. Plant is maintaining 'Zero' discharge condition.
6		Coal and char will be used in FBC boiler. BF slag will be granulated in slag granulation plant and provided to cement manufacturers. Coke breeze, fuel dust, mill scales will be used in Sinter plant. Scales from the rolling mill will be used in sinter plant. The fly ash and bottom ash will be used for brick and road making or will be sold to Cement plants. ESP dust will be used in fly ash bricks and also for back filling in mines. Accretion material and wet scrubber dust will be used in road making. The slag from the steel melting shop will be given for metal recovery and dust will be reused in the sinter plant. Spent oil and lubricants will be given to authorized re-processors. DRI kiln, BF gas will be used as fuel to generate power. LDO / HFO will be used as fuel.	Complied. Project proponent has been using coal as well as char in FBC boiler. The fly ash and bottom ash are using for brick and road making. ESP dust is used in manufacturing of fly ash bricks and also used for back filling in mines. Accretion material and wet scrubber dust are using in road making. The slag from the steel melting shop is used for metal recovery and dust is reused in the road making. Mill scale is used in sinter plant. Spent oil and Used lubricants are disposed of to authorized re-processors. Hot gases obtained from

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			DRI kilns are being used as fuel to generate the power in Waste Heat Recovery Boilers (WHRB). LDO / HFO are using as fuel in emerging.
7		All the Integrated Steel plants are listed at S. No. 3(a) under Category 'A' of the Schedule of EIA Notification, 2006 and appraised at the Central level.	Project proponent has consented to the condition.
8		The proposal was considered by the Expert Appraisal Committee-1 (industry) in its 14th meeting held during 23nt - 25th September, 2010. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions.	Project proponent has consented to the conditions.
9		Based on the information submitted by you, presentation made by you and consultant, EMTRC, Consultants Pvt. Ltd, New Delhi. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006- subject to strict compliance of the following specific and general conditions:	Project proponent has consented to the conditions.
A. SPECIFIC CONDITIONS:			
	i.	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), gas cleaning plant, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm^3 by installing energy efficient technology.	Complied. Project proponent has provided bag filters, dust extraction system, wet spray system, dry fogging system to reduce fugitive emission. Four on-line Ambient Air Quality Monitoring (AAQM) systems and continuous stack monitoring facilities such as opacity meters & gas analyzers are provided in the stacks. PP has already installed ESP, Bag filters to keep the emission below 50 mg/Nm^3. Environmental monitoring is being carried out by the MoEF&CC accredited laboratory "Ultimate Envirolytical Solutions Raipur". Parameters are within the prescribed norms. Datas on ambient air quality and stack emission are given in **Annexure – I (Colly.).**
	ii.	As proposed, Electrostatic precipitator (ESP) shall be provide to sponge iron plant, WHRB, CFBC and dust catcher to blast furnace to control PM levels within 50 mg/ Nm3. Fume extraction system shall be provide to Induction furnaces and SAF to control the emissions within the prescribed standards.	Complied. Project proponent has already provided ESP in SID, WHRB, CFBC plant and Fume extraction system & bag filter system in Induction Furnace Division, Venturi Scrubber System in Sinter plant and bag filters in Sub Merged Arc Furnace Division for control of the emission within the prescribed standards.
	iii.	The National Ambient Air Quality Standards issued by	Complied.

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		the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be followed.	The National Ambient Air Quality Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 are being followed.
	iv.	Gaseous emission levels including secondary fugitive emission from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed. Standards for the sponge iron plant issued by the Ministry vide G.S.R. 414 (E) dated 30th May, 2008 shall be followed.	Complied. Project proponent has provided adequate arrangements for control of source emission and are strictly following permissible limits issued by the Ministry and regular monitoring is also performed. Guidelines/Code of Practice issued by the CPCB are being followed. Standards for the sponge iron plant issued by the Ministry vide G.S.R. 414 (E) dated 30th May, 2008 are also being followed. Monitoring of fugitive emission is being carried out by the MoEF&CC accredited laboratory "Ultimate Envirolytical Solutions Raipur". Parameters are within the prescribed norms. Details of monitoring are given in **Annexure–II**.
	v.	Total water requirement shall not exceed 18.25 MCM/annum. Necessary permission from the State Irrigation Department shall be obtained for drawl of water. The water consumption shall not exceed as per the standard prescribed for the steel plants. Efforts shall further be made to use maximum water from the rain water harvesting sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provide to reduce water consumption and water requirement shall be modified accordingly. All the effluent shall be treated and used for ash handling, dust suppression and green belt development. No effluent shall be discharged and 'Zero' discharge shall be adopted. Sanitary sewage should be treated in septic tank followed by soak pit.	Complied. Necessary permission from the state water resource department has been obtained for drawl of water vide letter no. 290/29/4/200/M/31/02/OJP/D-4 Raipur dtd. 14/1/2010 and additional sanction vide letter No. 5018/29/4/ 2000/M/31/OJP02/D-4, Naya Raipur dtd. 30.11.2016 for 1.825 MCM per Annum has also been obtained. Water consumption is as per prescribed standard. PP has also installed rain water harvesting system. PP has provided ETP capacity 19200 m^3/day for treatment of industrial effluent water and treated water is using in ash conveying, handling dust separation. PP has also provided STP of 500 m^3/day capacity for treatment of domestic effluent water and treated water is using in green belt development. Plant is maintaining 'Zero' discharge condition.
	vi.	Efforts shall be made to make use of harvested rain water. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other source.	Complied. Project proponent has already provided the rain water harvesting system.
	vii.	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater should meet the norms	Complied. Monitoring and analysis are carried out and parameters are within the

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		prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhopal, Chhattisgarh Environment Conservation Board (CECB) and CPCB.	prescribed norms. Regularly submitting the monitoring reports to CECB, CPCB and MoEF. Monitoring and analysis of surface and ground water is being carried out by the MoEF&CC accredited laboratory "Ultimate Envirolytical Solutions Raipur". Parameters are within the prescribed norms. Details of water analysis data are given in enclosed **Annexure – III (Colly.).**
	viii.	The char from DRI plant shall be utilized in FBC boiler of power plant and no char shall be used for briquette making or disposal off anywhere else. FBC boiler shall be installed simultaneously along with the DRI plant to ensure full utilization of char from the beginning. All the blast furnace (BF) slag shall be provided to the cement manufactures. Scrap shall be used in steel melting shop (SMS) and SMS slag and kiln accretions shall be properly utilized. All the other solid waste including broken refractory mass shall be properly disposed off in environment-friendly manner.	Complied. Project proponent is using Char in FBC boiler of captive power plant. Scrap and metal recovered from slag is used in Induction Furnaces. SMS slag and Kiln accretions are used in road making. Properly disposing off the solid waste in safe and scientific manner.
	ix.	In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant and coke sorting plant of coke oven plant. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc.	Complied. Project proponent has provided bag filters, de-dusting and dust suppression system to control fugitive emission. Dust extraction and suppression system at all the transfer points, coal handling plant have been provided to control the emission. Water sprinkling systems have been provided to control secondary fugitive dust emission generated during screening loading, unloading, handling and storage of raw materials.
	x.	Proper utilization of fly ash shall be ensured as per Fly ash notification, 1999 and subsequent amendment in 2003 & 2009.	Complied. Project proponent is strictly following fly ash notification, 1999 and subsequent amendment in 2003, 2009, 2016, 2019 & 2021 for proper utilization of fly ash.
	xi.	Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	Complied. Project proponent has provided facility of spraying water through the tankers and sprinklers for control of vehicular pollution during transportation of raw material and finished products. Project proponent has provided bag filters to control dust emission in the units where loading and unloading of the raw materials and finished products are taken place.
	xii.	All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads. Facilities for parking of	Complied. Project proponent has provided road sweeping machines for regular cleaning

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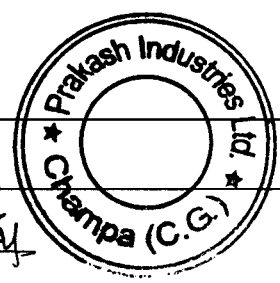
		trucks carrying raw coal from the linked coalmines shall be created within the Unit.	of all internal roads. Adequate plantation is done in the factory premises including plantation along the roads. PP has also made arrangement of parking of trucks carrying raw coal.
	xiii.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste should be submitted to the Ministry's Regional Office at Bhopal, CECB and CPCB.	Complied. Proper handling, storage, utilization and disposal of all solid waste are being performed. Regularly submitting the report to MoEF&CC, CPCB and CECB. Utilization of solid waste is given in **Annexure-IV.**
	xiv.	A time bond action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Complied. Project proponent is complying for utilization and disposal of solid wastes.
	xv.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhopal, CECB and CPCB within 3 months of issue of environment clearance letter.	Complied.
	xvi.	As proposed, green belt shall be developed in 33% of plant area as per the CPCB guidelines in consultation with the DFO.	Complied. Project proponent has planted 3,46,640 saplings within the premises as per CPCB guidelines. PP always prefer local species for green belt development. Project proponent has consented to the conditions and abide to the decisions taken by MoEF&CC, GOI / CPCB / Government of Chhattisgarh /CECB from time to time in this regard. Details of plantation was submitted in Six monthly compliance report for the period of October 2023 to March 2024 to MoEF&CC, CPCB & CECB vide PIL/EHS/ENV/MoEF&CC/ 2024/962 dtd. 21.05.2024. Details of plantation and audit report plantation for the period of 2022 to 2023 enclosed as **Annexure – V (Colly.).**
	xvii.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants shall be implemented.	Complied. Project proponent are complying CREP guidelines of Steel manufacturing Plant. Details enclosed as **Annexure – VI.**
	xviii.	All the commitments made to the public during the Public Hearing / Public consultation meeting held on 5th March, 2010 shall be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhopal.	Complied.
	xix.	At least 5% of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the	Complied. Project proponent are keeping separate

Prakash Industries Ltd. Champa (C.G.)

		Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	funds for implementation of the special conditions for environmental safeguards. The funds earmarked for the environmental protection measures have not been diverted for any other purposes. Details enclosed as **Annexure – VII.**
	xx.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	Complied. Project proponent informed that temporary huts for labours alongwith all necessary infrastructure were provided at the time of implementation of project. After completion of project now it has been dismissed & removed.
B. GENERAL CONDITIONS:			
	i.	The project authority shall adhere to the stipulations made by Chhattisgarh Environment Conservation Board (CECB) and State Government.	Project proponent has consented to the conditions.
	ii.	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Project proponent has consented to the condition.
	iii.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The CECB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Complied. Project proponent has installed four online Ambient Air Quality Monitoring (AAQM) systems and continuous stack monitoring facilities such as opacity meters & gas analyzers in the stacks and are also connected to the Board servers. PP has already installed ESP, Bag filters dust extraction system, wet spray system, dry fogging system to control emission.
	iv.	The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied. Precautions for all the workers/officers are being taken to avoid any accompanist noised hazards. Facilities like ear plugs and ear muffs are being provided to reduce noise risk to all workers/ officers at work place. The ambient noise level remains within 75 dB (A) during daytime and 70 dB (A) during night time within factory premises. PP has taken adequate measures for control of noise levels below 85 dB(A) in the work environment. PPE's also provided to all employees who are working in high noise area. Monitoring of noise level is being carried out by the MoEF&CC accredited laboratory "Ultimate Envirolytical Solutions Raipur". Noise level monitoring results are enclosed as **Annexure-VIII.**

	v.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Regular health surveillance is being conducted to all the workers and records are maintained as per the Factories Act. Enclosed as per **Annexure-IX.**
	vi.	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	Project proponent has consented to the condition.
	vii.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Complied. Project proponent has already provided rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
	viii.	Proper housekeeping and adequate occupational health programmes shall be taken up as per the Factory Act.	Complied. Project proponent is providing proper housekeeping and occupational health programmes as per the Factory Act.
	ix.	The company shall undertake eco-development measures including community welfare measures in the project area.	Complied.
	x.	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of senior Executive.	Complied. Project proponent has set up an environmental cell to carry out the function related to environmental management under the control of senior executive with the support of qualified technical personnel. PP has also set up an environmental laboratory for collection and analysis of environmental samples under the supervision of competent technical personnel.
	xi.	The requisite funds shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Complied. Project proponent is keeping separate funds for implementation of the conditions for environmental safeguards. The funds earmarked for the environmental protection measures are not been diverted for any other purposes. Fund allocated for environmental protection measures and expenses occurred is enclosed herewith as **Annexure – X.**
	xii.	The project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commissioning the land development work.	Project proponent has consented to the condition.
	xiii.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad /	Complied.



		Municipal Corporation, Urban Body and the local NGO, if any, from whom suggestions / representations, if any were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	
	xiv.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied. Project proponent is regularly uploading six monthly compliance report in company's website : www.prakash.com.
	xv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the CWCB. The Regional Office of this Ministry at Bhopal/CPCB/CECB shall monitor the stipulated conditions.	Complied. Six monthly report for the period of April 2023 to September 2023 was submitted to MoEF&CC, CPCB, CECB vide PIL/EHS/ENV/ MoEF&CC/2023/828 dtd. 03.11.2023 and another Six monthly report for the period of October 2023 to March 2024 was submitted to MoEF&CC, CPCB, CECB vide PIL/EHS/ENV/ MoEF&CC/2024/962 dtd. 21.05.2024.
	xvi.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alogwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF by e-mail.	Complied. Environmental statement for the period of April 2023 to March 2024 was submitted to MoEF&CC & CECB vide PIL/EHS/ENV-STATEMENT/2024/972 dtd. 06.06.2024. (For Sponge Iron Plant, Captive Power Plant, Steel Manufacturing, Ferro Alloys, Sinter Plant & Oxygen Plant).
	xvii	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the CECB and may also be seen at the website of the Ministry of Environment and Forests at http:/envfor.nic.in. This should advertised within seven days from the date of issue of the clearance letter at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhopal.	Complied.
10		The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Project proponent has consented to the conditions.
11		The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time	Project proponent has consented to the conditions.

Prakash Industries Ltd. Champa (C.G.)

		bound manner will implement these conditions.	
12		The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	Project proponent has consented to the conditions.

Prakash Industries Ltd. Champa (C.G.)

Annexure-1

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

(Name & Address of the Customer)

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA - 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03052
LAB REF NO	UES/24-25/ST/05279
DATE OF SAMPLING	01/08/2024
DATE OF RECEIPT	02/08/2024
DATE OF REPORT	05/08/2024
DATE OF ANALYSIS	START:02/08/2024 END:05/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF KILN-1
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE.

TEST REPORT

Stack details

STACK IDENTITY	ESP OF KILN-1
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	55.0
STACK DIAMETER (MTR.)	2.20
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	170.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	17.24	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	65.51	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	31.76	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	252.6	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	140.8	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

5/8/24
REVIEWED BY

05/08/24
AUTHORIZED SIGNATORY

----------*End of the test report*----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA - 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03053
LAB REF NO	UES/24-25/ST/05280
DATE OF SAMPLING	01/08/2024
DATE OF RECEIPT	02/08/2024
DATE OF REPORT	05/08/2024
DATE OF ANALYSIS	START:02/08/2024 END:05/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF KILN-2
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE

TEST REPORT

Stack details

STACK IDENTITY	ESP OF KILN-2
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	55.0
STACK DIAMETER (MTR.)	2.20
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	176.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	17.11	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	65.01	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.81	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	246.3	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	162.5	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

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5/8/24
REVIEWED BY

05/08/24
AUTHORIZED SIGNATORY

End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer:

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03054
LAB REF NO	UES/24-25/ST/05281
DATE OF SAMPLING	01/08/2024
DATE OF RECEIPT	02/08/2024
DATE OF REPORT	05/08/2024
DATE OF ANALYSIS	START:02/08/2024 END:05/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF KILN-3
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE

TEST REPORT

Stack details

STACK IDENTITY	ESP OF KILN-3
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65.0
STACK DIAMETER (MTR.)	2.70
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	150.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	10.94	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	62.57	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	33.67	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	258.4	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	150.6	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

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05/08/24

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AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA - 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/24-25/03055	
	LAB REF NO	UES/24-25/ST/05282	
	DATE OF SAMPLING	02/08/2024	
	DATE OF RECEIPT	03/08/2024	
	DATE OF REPORT	06/08/2024	
	DATE OF ANALYSIS	START:03/08/2024	END:06/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836,. DATED:16.11.2023
SAMPLING LOCATION	ESP OF KILN-4
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE

TEST REPORT

Stack details

STACK IDENTITY	ESP OF KILN-4
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65.0
STACK DIAMETER (MTR.)	3.37
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	144.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.23	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	55.57	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	35.61	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	238.0	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	148.6	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

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06/08/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer:

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03056	
LAB REF NO	UES/24-25/ST/05283	
DATE OF SAMPLING	02/08/2024	
DATE OF RECEIPT	03/08/2024	
DATE OF REPORT	06/08/2024	
DATE OF ANALYSIS	START:03/08/2024	END:06/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF KILN-5
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2009, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE

TEST REPORT

Stack details

STACK IDENTITY	ESP OF KILN-5
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65.0
STACK DIAMETER (MTR.)	2.26
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	145.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	13.71	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	54.97	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.79	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	266.9	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_X)	mg/Nm^3	162.8	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

06/08/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/24-25/03057	
	LAB REF NO	UES/24-25/ST/05284	
	DATE OF SAMPLING	02/08/2024	
	DATE OF RECEIPT	03/08/2024	
	DATE OF REPORT	06/08/2024	
	DATE OF ANALYSIS	START:03/08/2024	END:06/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF KILN-6
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	TRIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE

TEST REPORT

Stack details

STACK IDENTITY	ESP OF KILN-6
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65.0
STACK DIAMETER (MTR.)	3.40
STACK SHAPE AT TOF	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	140.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.80	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	52.66	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	34.83	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	232.0	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	136.5	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

6/8/24

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06/08/24

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer:

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03058	
LAB REF NO	UES/24-25/ST/05285	
DATE OF SAMPLING	03/08/2024	
DATE OF RECEIPT	05/08/2024	
DATE OF REPORT	08/08/2024	
DATE OF ANALYSIS	START:05/08/2024	END:08/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF FBB-1
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO.PVC BOTTLE.

TEST REPORT

Stack details

STACK IDENTITY	ESP OF FBB-1
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65.0
STACK DIAMETER (MTR.)	2.90
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	125.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.66	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	50.55	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.78	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	260.4	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	154.9	300	IS 11255 (Part 7):2005
MERCURY AS Hg	mg/Nm^3	N.D.	0.03	USEPA Method No. 29

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

8/8/24

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AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03059
LAB REF NO	UES/24-25/ST/05286
DATE OF SAMPLING	03/08/2024
DATE OF RECEIPT	05/08/2024
DATE OF REPORT	08/08/2024
DATE OF ANALYSIS	START:05/08/2024 END:08/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF FBB-2&3
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO.PVC BOTTLE.

TEST REPORT

Stack details

STACK IDENTITY	ESP OF FBB-2&3
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	80.0
STACK DIAMETER (MTR.)	4.20
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	120.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	13.47	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	186.55	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.66	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	450.2	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	162.4	300	IS 11255 (Part 7):2005
MERCURY as Hg	mg/Nm^3	N.D.	0.03	USEPA Method No. 29

REMARKS: Results Are As Above

Terms & conditions

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

08/08/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03060
LAB REF NO	UES/24-25/ST/05287
DATE OF SAMPLING	03/08/2024
DATE OF RECEIPT	05/08/2024
DATE OF REPORT	08/08/2024
DATE OF ANALYSIS	START:05/08/2024 END:08/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF FBB-4
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO.PVC BOTTLE.

TEST REPORT

Stack details

STACK IDENTITY	ESP OF FBB-4
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	61.0
STACK DIAMETER (MTR.)	2.10
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	122.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.68	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	54.25	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.63	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	244.8	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	152.9	300	IS 11255 (Part 7):2005
MERCURY AS Hg	mg/Nm^3	N.D.	0.03	USEPA Method No. 29

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

8/8/24

REVIEWED BY

08/08/24

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03061	
LAB REF NO	UES/24-25/ST/05288	
DATE OF SAMPLING	05/08/2024	
DATE OF RECEIPT	06/08/2024	
DATE OF REPORT	09/08/2024	
DATE OF ANALYSIS	START:06/08/2024	END:09/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF FBB-5
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO.PVC BOTTLE.

TEST REPORT

Stack details

STACK IDENTITY	ESP OF FBB-5
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	61.0
STACK DIAMETER (MTR.)	2.10
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	124.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.30	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	52.93	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.72	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	236.8	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	144.0	300	IS 11255 (Part 7):2005
MERCURY AS Hg	mg/Nm^3	N.D.	0.03	USEPA Method No. 29

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

09/08/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer		
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/24-25/03062
	LAB REF NO	UES/24-25/ST/05289
	DATE OF SAMPLING	05/08/2024
	DATE OF RECEIPT	06/08/2024
	DATE OF REPORT	09/08/2024
	DATE OF ANALYSIS	START:06/08/2024 END:09/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF FBB-6
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO.PVC BOTTLE.

TEST REPORT

Stack details

STACK IDENTITY	ESP OF FBB-6
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	61.0
STACK DIAMETER (MTR.)	2.10
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	129.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.89	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	54.97	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.61	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	268.0	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	161.3	300	IS 11255 (Part 7):2005
MERCURY AS Hg	mg/Nm^3	N.D.	0.03	USEPA Method No. 29

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

9/8/24
REVIEWED BY

09/08/24
AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer		
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA - 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/24-25/03063
	LAB REF NO	UES/24-25/ST/05290
	DATE OF SAMPLING	05/08/2024
	DATE OF RECEIPT	06/08/2024
	DATE OF REPORT	09/08/2024
	DATE OF ANALYSIS	START:06/08/2024 END:09/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	ESP OF FBB-7
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO.PVC BOTTLE.

TEST REPORT

Stack details

STACK IDENTITY	ESP OF FBB-7
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	61.0
STACK DIAMETER (MTR.)	2.10
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	125.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.62	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	54.04	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	31.76	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	246.5	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	154.2	300	IS 11255 (Part 7):2005
MERCURY AS Hg	mg/Nm^3	N.D.	0.03	USEPA Method No. 29

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

9/8/24

REVIEWED BY

09/08/24

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03064
LAB REF NO	UES/24-25/ST/05291
DATE OF SAMPLING	06/08/2024
DATE OF RECEIPT	07/08/2024
DATE OF REPORT	10/08/2024
DATE OF ANALYSIS	START:07/08/2024 END:10/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED.16.11.2023
SAMPLING LOCATION	DE-DUSTING (BAG HOUSE KILN-1&2)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE. 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-DUSTING (BAG HOUSE KILN-1&2)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	2.65
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	SPONGE IRON CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	39.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.53	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	52.41	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.89	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

10/8/24

REVIEWED BY

10/08/24

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd
Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03065
LAB REF NO	UES/24-25/ST/05292
DATE OF SAMPLING	06/08/2024
DATE OF RECEIPT	07/08/2024
DATE OF REPORT	10/08/2024
DATE OF ANALYSIS	START:07/08/2024 END:10/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-1 (KILN-1 & KILN-2) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-1 (KILN-1 & KILN-2) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	1.0
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	32.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.01	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	9.36	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	31.32	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

10/8/24
REVIEWED BY

10/08/24
AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03066
LAB REF NO	UES/24-25/ST/05293
DATE OF SAMPLING	06/08/2024
DATE OF RECEIPT	07/08/2024
DATE OF REPORT	10/08/2024
DATE OF ANALYSIS	START:07/08/2024 END:10/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-2 (KILN-1 & KILN-2) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012. IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-2 (KILN-1 & KILN-2) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.05
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	IRON ORE CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	35.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.65	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	8.29	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.89	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

10/8/24

REVIEWED BY

10/08/24

AUTHORIZED SIGNATORY

End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA - 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03067	
LAB REF NO	UES/24-25/ST/05294	
DATE OF SAMPLING	07/08/2024	
DATE OF RECEIPT	08/08/2024	
DATE OF REPORT	12/08/2024	
DATE OF ANALYSIS	START:08/08/2024	END:12/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-3 (KILN-1 & KILN-2) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009, PART 3:2008, PART 7:2005 REAFFIRMED 2012. IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-3 (KILN-1 & KILN-2) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	0.70
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	SPONGE IRON CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	36.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	11.99	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	4.55	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.58	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

12/8/24

REVIEWED BY

12/08/24

AUTHORIZED SIGNATORY

End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03068
LAB REF NO	UES/24-25/ST/05295
DATE OF SAMPLING	07/08/2024
DATE OF RECEIPT	08/08/2024
DATE OF REPORT	12/08/2024
DATE OF ANALYSIS	START:08/08/2024 END:12/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-4 (KILN-3) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-4 (KILN-3) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	0.50
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	RAW MATERIAL CURCUIT OF KILN

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	35.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.14	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	1.73	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	33.61	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

12/9/24

REVIEWED BY

12/08/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/24-25/03069	
	LAB REF NO	UES/24-25/ST/05296	
	DATE OF SAMPLING	07/08/2024	
	DATE OF RECEIPT	08/08/2024	
	DATE OF REPORT	12/08/2024	
	DATE OF ANALYSIS	START:08/08/2024	END:12/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-5 (KILN-3) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-5 (KILN-3) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	45.0
STACK DIAMETER (MTR.)	1.50
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.21	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	21.61	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	29.63	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

12/08/24

AUTHORIZED SIGNATORY

12/8/24

REVIEWED BY

----------End of the test report----------

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03070	
LAB REF NO	UES/24-25/ST/05297	
DATE OF SAMPLING	08/08/2024	
DATE OF RECEIPT	09/08/2024	
DATE OF REPORT	12/08/2024	
DATE OF ANALYSIS	START:09/08/2024	END:12/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE DUSTING (BAG HOUSE KILN-3)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012. IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-DUSTING (BAG HOUSE KILN-3)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	45.0
STACK DIAMETER (MTR)	2.10
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	SPONGE IRON CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	40.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.19	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	52.55	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	31.56	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

12/8/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03071
LAB REF NO	UES/24-25/ST/05298
DATE OF SAMPLING	08/08/2024
DATE OF RECEIPT	09/08/2024
DATE OF REPORT	12/08/2024
DATE OF ANALYSIS	START:09/08/2024 END:12/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-1 (KILN-4 & KILN-5) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-1 (KILN-4 & KILN-5) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	1.40
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	34.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	8.73	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	13.44	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.24	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

12/8/24

REVIEWED BY

12/8/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03072	
LAB REF NO	UES/24-25/ST/05299	
DATE OF SAMPLING	08/08/2024	
DATE OF RECEIPT	09/08/2024	
DATE OF REPORT	12/08/2024	
DATE OF ANALYSIS	START:09/08/2024	END:12/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-2 (KILN-4 & KILN-5) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-2 (KILN-4 & KILN-5) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	0.74
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	35.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.26	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.56	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	34.65	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & Conditions

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

12/08/24

AUTHORIZED SIGNATORY

12/8/24

REVIEWED BY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/24-25/03073	
	LAB REF NO	UES/24-25/ST/05300	
	DATE OF SAMPLING	09/08/2024	
	DATE OF RECEIPT	10/08/2024	
	DATE OF REPORT	13/08/2024	
	DATE OF ANALYSIS	START:10/08/2024	END:13/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-3 (KILN-4 & KILN-5) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-3 (KILN-4 & KILN-5) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	0.93
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	IRON ORE CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	36.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.87	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	10.63	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	34.65	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

13/8/24

REVIEWED BY

13/08/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03074
LAB REF NO	UES/24-25/ST/05301
DATE OF SAMPLING	09/08/2024
DATE OF RECEIPT	10/08/2024
DATE OF REPORT	13/08/2024
DATE OF ANALYSIS	START:10/08/2024 END:13/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-4 (KILN-4 & KILN-5) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-4 (KILN-4 & KILN-5) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	2.00
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	RAW MATERIAL CIRCUIT OF KILN

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.67	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	20.94	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.47	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

13/08/24

REVIEWED BY

14/8/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03075
LAB REF NO	UES/24-25/ST/05302
DATE OF SAMPLING	09/08/2024
DATE OF RECEIPT	10/08/2024
DATE OF REPORT	13/08/2024
DATE OF ANALYSIS	START:10/08/2024 END:13/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-5 (KILN-4 & KILN-5) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2010 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-5 (KILN-4 & KILN-5) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR)	0.50
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	RAW MATERIAL CIRCUIT OF KILN

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	38.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	8.51	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	1.61	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	29.96	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

13/8/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03076
LAB REF NO	UES/24-25/ST/05303
DATE OF SAMPLING	10/08/2024
DATE OF RECEIPT	12/08/2024
DATE OF REPORT	16/08/2024
DATE OF ANALYSIS	START:12/08/2024 END:16/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-6 (KILN-4 & KILN-5) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2013 & IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-6 (KILN-4 & KILN-5) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	0.89
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	IRON ORE CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	36.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	13.85	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	8.58	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	36.53	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

16/8/24
REVIEWED BY

16/08/24
AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03077
LAB REF NO	UES/24-25/ST/05304
DATE OF SAMPLING	10/08/2024
DATE OF RECEIPT	12/08/2024
DATE OF REPORT	16/08/2024
DATE OF ANALYSIS	START:12/08/2024 END:16/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-7 (KILN-4 & KILN-5) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2021 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-7 (KILN-4 & KILN-5) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	0.52
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	SPONGE IRON CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	34.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.13	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	1.91	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	34.45	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

16/8/24

REVIEWED BY

16/08/24

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03078
LAB REF NO	UES/24-25/ST/05305
DATE OF SAMPLING	10/08/2024
DATE OF RECEIPT	12/08/2024
DATE OF REPORT	16/08/2024
DATE OF ANALYSIS	START:12/08/2024 END:16/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-8 (KILN-4 & KILN-5)(BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009: PART 3:2008, PART 7:2005 REAFFIRMED 201[illegible] IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-8 (KILN-4 & KILN-5)(BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	1.40
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	SPONGE IRON CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	35.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	13.39	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	20.62	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.60	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

16/8/24
REVIEWED BY

16/08/24
AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. ★ Champa (C.G.) ★

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03079
LAB REF NO	UES/24-25/ST/05306
DATE OF SAMPLING	12/08/2024
DATE OF RECEIPT	13/08/2024
DATE OF REPORT	16/08/2024
DATE OF ANALYSIS	START:13/08/2024 END:16/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-9 (KILN-4 & KILN-5) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2011 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-9 (KILN-4 & KILN-5) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR)	0.69
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	IRON ORE CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	36.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	8.69	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	3.21	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	31.48	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

16/8/24

REVIEWED BY

16/08/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03080
LAB REF NO	UES/24-25/ST/05307
DATE OF SAMPLING	12/08/2024
DATE OF RECEIPT	13/08/2024
DATE OF REPORT	16/08/2024
DATE OF ANALYSIS	START:13/08/2024 END:16/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-1 (KILN-6) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2013 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-1 (KILN-6) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35
STACK DIAMETER (MTR.)	0.70
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	34.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.26	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	3.51	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	31.39	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden*
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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

16/8/24

REVIEWED BY

16/08/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd.

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA - 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03081
LAB REF NO	UES/24-25/ST/05308
DATE OF SAMPLING	12/08/2024
DATE OF RECEIPT	13/08/2024
DATE OF REPORT	16/08/2024
DATE OF ANALYSIS	START:13/08/2024 END:16/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-2 (KILN-6) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-2 (KILN-6) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	0.83
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	RAW MATERIAL CIRCUIT OF KILN

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	35.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.41	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.70	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	33.81	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

16/8/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03082
LAB REF NO	UES/24-25/ST/05309
DATE OF SAMPLING	13/08/2024
DATE OF RECEIPT	14/08/2024
DATE OF REPORT	17/08/2024
DATE OF ANALYSIS	START:14/08/2024 END:17/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-3 (KILN-6) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2011, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-3 (KILN-6) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.24
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	RAW MATERIAL CIRCUIT OF KILN

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.17	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	11.09	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.76	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be returned for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

17/8/24

REVIEWED BY

17/08/24

AUTHORIZED SIGNATORY

End of the test report

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03083	
LAB REF NO	UES/24-25/ST/05310	
DATE OF SAMPLING	13/08/2024	
DATE OF RECEIPT	14/08/2024	
DATE OF REPORT	17/08/2024	
DATE OF ANALYSIS	START:14/08/2024	END:17/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	DE-4 (KILN-6) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2013 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	DE-4 (KILN-6) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	1.20
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	SPONGE IRON CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	35.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.56	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	14.19	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	31.84	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

17/08/24

AUTHORIZED SIGNATORY

17/8/24

REVIEWED BY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03084	
LAB REF NO	UES/24-25/ST/05311	
DATE OF SAMPLING	13/08/2024	
DATE OF RECEIPT	14/08/2024	
DATE OF REPORT	17/08/2024	
DATE OF ANALYSIS	START:14/08/2024	END:17/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	NEW CHP (FBB-2&3) (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1995 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	NEW CHP (FBB-2&3) (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.19
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL CIRCUIT

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	30.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	4.33	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	4.80	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	36.81	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *No report for publication, arbitration or as the legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.*
- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

17/8/24

REVIEWED BY

17/8/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03085
LAB REF NO	UES/24-25/ST/05312
DATE OF SAMPLING	14/08/2024
DATE OF RECEIPT	16/08/2024
DATE OF REPORT	20/08/2024
DATE OF ANALYSIS	START: 16/08/2024 END: 20/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED: 16.11.2023
SAMPLING LOCATION	SAF-1&2 (BAG HOUSE)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	SAF-1&2 (BAG HOUSE)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	40.0
STACK DIAMETER (MTR.)	2.40
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	92.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.52	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	33.99	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	37.38	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

20/08/24

REVIEWED BY

20/08/24

AUTHORIZED SIGNATORY

End of the test report

Prakash Industries Ltd. Champa

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03086
LAB REF NO	UES/24-25/ST/05313
DATE OF SAMPLING	14/08/2024
DATE OF RECEIPT	16/08/2024
DATE OF REPORT	20/08/2024
DATE OF ANALYSIS	START:16/08/2024 END:20/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	SAF-3&4 (BAG HOUSE)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	SAF-3&4 (BAG HOUSE)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	40.0
STACK DIAMETER (MTR.)	2.40
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	93.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	8.42	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	38.05	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	35.79	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

20/8/24
REVIEWED BY

20/08/24
AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA - 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03087
LAB REF NO	UES/24-25/ST/05314
DATE OF SAMPLING	14/08/2024
DATE OF RECEIPT	16/08/2024
DATE OF REPORT	20/08/2024
DATE OF ANALYSIS	START:16/08/2024 END:20/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	SAF-5&6 (BAG HOUSE)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012. IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	SAF-5&6 (BAG HOUSE)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	40.0
STACK DIAMETER (MTR.)	2.75
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	107.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.67	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	75.25	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.74	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

20/08/24

REVIEWED BY

20/08/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03088
LAB REF NO	UES/24-25/ST/05315
DATE OF SAMPLING	16/08/2024
DATE OF RECEIPT	17/08/2024
DATE OF REPORT	20/08/2024
DATE OF ANALYSIS	START:17/08/2024 END:20/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	SAF-7 (BAG HOUSE)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009, PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	SAF-7 (BAG HOUSE)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	40.0
STACK DIAMETER (MTR.)	1.50
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	84.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.79	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	27.94	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.50	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal dispute is forbidden.*
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- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

20/08/24

REVIEWED BY

AUTHORIZED SIGNATORY

End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03089
LAB REF NO	UES/24-25/ST/05316
DATE OF SAMPLING	16/08/2024
DATE OF RECEIPT	17/08/2024
DATE OF REPORT	20/08/2024
DATE OF ANALYSIS	START:17/08/2024 END:20/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	SAF-869 (BAG HOUSE)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	SAF-869 (BAG HOUSE)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	40.0
STACK DIAMETER (MTR.)	2.10
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	110.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	16.31	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	56.43	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	28.78	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

20/8/24

REVIEWED BY

20/08/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03090
LAB REF NO	UES/24-25/ST/05317
DATE OF SAMPLING	
DATE OF RECEIPT	
DATE OF REPORT	
DATE OF ANALYSIS	

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF NO.	FIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	SINTER PLANT (VENTURE SCRUBBER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012 IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	SINTER PLANT (VENTURE SCRUBBER)
STACK ATTACHED TO	VENTURE SCRUBBER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	40.0
STACK DIAMETER (MTR.)	2.00
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	IRON ORE & COKE FINES

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	PLANT NOT OPERATE	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s		-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s		-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3		50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03091	
LAB REF NO	UES/24-25/ST/05318	
DATE OF SAMPLING	17/08/2024	
DATE OF RECEIPT	20/08/2024	
DATE OF REPORT	23/08/2024	
DATE OF ANALYSIS	START:20/08/2024	END:23/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF NO.	FIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	IFD – SHED NO.1 (VENTURE SCRUBBER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2018, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	IFD – SHED NO.1 (VENTURE SCRUBBER)
STACK ATTACHED TO	VENTURE SCRUBBER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.50
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	CPC & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	33.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.22	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	9.23	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	33.67	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

23/08/24

AUTHORIZED SIGNATORY

22/8/24

REVIEWED BY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA - 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03092
LAB REF NO	UES/24-25/ST/05319
DATE OF SAMPLING	17/08/2024
DATE OF RECEIPT	20/08/2024
DATE OF REPORT	23/08/2024
DATE OF ANALYSIS	START:20/08/2024 END:23/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	IFD - SHED NO.2 (VENTURE SCRUBBER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009, PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	IFD - SHED NO.2 (VENTURE SCRUBBER)
STACK ATTACHED TO	VENTURE SCRUBBER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.25
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	CPC & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	34.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.56	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.83	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	31.34	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

22/8/24

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23/08/24

AUTHORIZED SIGNATORY

End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03093
LAB REF NO	UES/24-25/ST/05320
DATE OF SAMPLING	17/08/2024
DATE OF RECEIPT	20/08/2024
DATE OF REPORT	23/08/2024
DATE OF ANALYSIS	START:20/08/2024 END:23/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	IFD – SHED NO.3 (VENTURE SCRUBBER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2017, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE, 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	IFD – SHED NO.3 (VENTURE SCRUBBER)
STACK ATTACHED TO	VENTURE SCRUBBER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.50
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	CPC & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	35.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.57	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	9.85	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	33.44	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

22/8/24
REVIEWED BY

23/08/24
AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03094
LAB REF NO	UES/24-25/ST/05321
DATE OF SAMPLING	20/08/2024
DATE OF RECEIPT	21/08/2024
DATE OF REPORT	24/08/2024
DATE OF ANALYSIS	START:21/08/2024 END:24/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	IFD - SHED NO.4 (VENTURE SCRUBBER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2013. IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	IFD - SHED NO.4 (VENTURE SCRUBBER)
STACK ATTACHED TO	VENTURE SCRUBBER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.25
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	CPC & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.59	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.87	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.52	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

24/08/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03095	
LAB REF NO	UES/24-25/ST/05322	
DATE OF SAMPLING	20/08/2024	
DATE OF RECEIPT	21/08/2024	
DATE OF REPORT	24/08/2024	
DATE OF ANALYSIS	START:21/08/2024	END:24/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	FIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	IFD – SHED NO.5 (VENTURE SCRUBBER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	IFD – SHED NO.5 (VENTURE SCRUBBER)
STACK ATTACHED TO	VENTURE SCRUBBER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.25
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	CPC & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	36.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.47	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.72	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	35.44	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

24/08/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03096
LAB REF NO	UES/24-25/ST/05323
DATE OF SAMPLING	20/08/2024
DATE OF RECEIPT	21/08/2024
DATE OF REPORT	24/08/2024
DATE OF ANALYSIS	START:21/08/2024 END:24/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	IFD – SHED NO.6 (VENTURE SCRUBBER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009: PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE. 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	IFD – SHED NO.6 (VENTURE SCRUBBER)
STACK ATTACHED TO	VENTURE SCRUBBER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35.0
STACK DIAMETER (MTR.)	1.25
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	CPC & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.39	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	7.85	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.57	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

24/8/24

REVIEWED BY

24/08/24

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03097
LAB REF NO	UES/24-25/ST/05324
DATE OF SAMPLING	21/08/2024
DATE OF RECEIPT	22/08/2024
DATE OF REPORT	26/08/2024
DATE OF ANALYSIS	START:22/08/2024 END:26/08/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	PIL/ENV/ULTIMATE/2023-24/836, DATED:16.11.2023
SAMPLING LOCATION	IFD – SHED NO.7 (BAG FILTER)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.

TEST REPORT

Stack details

STACK IDENTITY	IFD – SHED NO.7 (BAG FILTER)
STACK ATTACHED TO	BAG FILTER
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	30.0
STACK DIAMETER (MTR.)	1.20
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	CPC & COKE

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	38.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.83	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.07	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	35.78	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

26/8/24

REVIEWED BY

AUTHORIZED SIGNATORY

----------End of the test report.....

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,
PRAKASH INDUSTRIES LIMITED
CHAMPA - 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

Report No.	UES/TR/24-25/03042	
Lab Ref No.	UES/24-25/AAQM/05187-05190	
Date Of Sampling	05/08/2024	
Date Of Receipt	06/08/2024	
Date Of Report	10/08/2024	
Date Of Analysis	Start:06/08/2024	End:10/08/2024

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Guest House 2. Near Labour Colony 3. Near Nursery Area 4. Near Guard Room
Customer Ref. No.	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM_{10}): 1X1 No., Filter Paper ($PM_{2.5}$): 1X1 No. SO_2: 30mlX1 No. PVC Bottle, NO_2: 30mlX1 NO. PVC Bottle,Rubber Bladder: 1X1 No.

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM_{10})	IS:5182:(Part-23):2006 & CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns ($PM_{2.5}$)	IS:5182(Part-24):2019
Sulphur Dioxide (SO_2)	IS:5182:(Part-2):2001 & CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO_2)	IS:5182:(Part-6):2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO)	IS:5182:(Part-10):1999

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Guest House	Near Labour Colony	Near Nursery Area	Near Guard Room
PM_{10}	$\mu g/m^3$	100	25.62	34.64	20.83	28.62
$PM_{2.5}$	$\mu g/m^3$	60	12.49	20.83	11.89	16.51
SO_2	$\mu g/m^3$	80	11.40	14.76	9.78	15.69
NO_2	$\mu g/m^3$	80	23.47	27.60	20.11	28.09
CO	mg/m^3	4.0	0.0011	0.0018	0.0014	0.0016

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

10/8/24

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10/08/24

AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	Report No.	UES/TR/24-25/03043	
	Lab Ref No.	UES/24-25/AAQM/05192-05195	
	Date Of Sampling	12/08/2024	
	Date Of Receipt	13/08/2024	
	Date Of Report	17/08/2024	
	Date Of Analysis	Start:13/08/2024	End:17/08/2024

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Guest House 2. Near Labour Colony 3. Near Nursery Area 4. Near Guard Room
Customer Ref. No.	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM_{10}): 1X1 No., Filter Paper ($PM_{2.5}$): 1X1 No. SO_2: 30mlX1 No. PVC Bottle, NO_2: 30mlX1 NO. PVC Bottle,Rubber Bladder: 1X1 No.

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM_{10})	IS:5182:(Part-23):2006 & CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns ($PM_{2.5}$)	IS:5182(Part-24):2019
Sulphur Dioxide (SO_2)	IS:5182:(Part-2):2001 & CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO_2)	IS:5182:(Part-6):2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO)	IS:5182:(Part-10):1999

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Guest House	Near Labour Colony	Near Nursery Area	Near Guard Room
PM_{10}	$\mu g/m^3$	100	28.68	36.80	26.37	33.44
$PM_{2.5}$	$\mu g/m^3$	60	16.58	24.76	12.37	20.54
SO_2	$\mu g/m^3$	80	10.29	16.47	11.47	12.64
NO_2	$\mu g/m^3$	80	21.40	29.67	24.48	25.07
CO	mg/m^3	4.0	0.0014	0.0015	0.0013	0.0019

REMARKS: RESULTS ARE AS ABOVE

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

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AUTHORIZED SIGNATORY

End of the test report

Prakash Industries Ltd.

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ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,
PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

Report No.	UES/TR/24-25/03044	
Lab Ref No.	UES/24-25/AAQM/05196-05199s	
Date Of Sampling	20/08/2024	
Date Of Receipt	21/08/2024	
Date Of Report	24/08/2024	
Date Of Analysis	Start:21/08/2024	End:24/08/2024

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Guest House 2. Near Labour Colony 3. Near Nursery Area 4. Near Guard Room
Customer Ref. No.	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM_{10}): 1X1 No., Filter Paper ($PM_{2.5}$): 1X1 No. SO_2: 30mlX1 No. PVC Bottle, NO_2: 30mlX1 NO. PVC Bottle,Rubber Bladder: 1X1 No.

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM_{10})	IS:5182:(Part-23):2006 & CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns ($PM_{2.5}$)	IS:5182(Part-24):2019
Sulphur Dioxide (SO_2)	IS:5182:(Part-2):2001 & CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO_2)	IS:5182:(Part-6):2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO)	IS:5182:(Part-10):1999

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Guest House	Near Labour Colony	Near Nursery Area	Near Guard Room
PM_{10}	$\mu g/m^3$	100	32.56	44.59	28.65	35.83
$PM_{2.5}$	$\mu g/m^3$	60	20.81	28.73	16.65	24.66
SO_2	$\mu g/m^3$	80	14.20	13.60	10.64	15.29
NO_2	$\mu g/m^3$	80	25.27	24.60	21.68	28.16
CO	mg/m^3	4.0	0.0016	0.0018	0.0011	0.0014

REMARKS: RESULTS ARE AS ABOVE

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

24/9/24

REVIEWED BY

24/08/24

AUTHORIZED SIGNATORY

End of the test report

Prakash Industries Ltd.
Champa

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HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,
PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

Report No.	UES/TR/24-25/03045
Lab Ref No.	UES/24-25/AAQM/05200-05203
Date Of Sampling	27/08/2024
Date Of Receipt	28/08/2024
Date Of Report	31/08/2024
Date Of Analysis	Start:28/08/2024 End:31/08/2024

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Guest House 2. Near Labour Colony 3. Near Nursery Area 4. Near Guard Room
Customer Ref. No	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM_{10}): 1X1 No., Filter Paper ($PM_{2.5}$): 1X1 No. SO_2: 30mlX1 No. PVC Bottle, NO_2: 30mlX1 NO. PVC Bottle,Rubber Bladder: 1X1 No.

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM_{10})	IS:5182:(Part-23):2006 & CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns ($PM_{2.5}$)	IS:5182(Part-24):2019
Sulphur Dioxide (SO_2)	IS:5182:(Part-2):2001 & CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO_2)	IS:5182:(Part-6):2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO)	IS:5182:(Part-10):1999

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Guest House	Near Labour Colony	Near Nursery Area	Near Guard Room
PM_{10}	$\mu g/m^3$	100	37.83	48.73	34.55	41.55
$PM_{2.5}$	$\mu g/m^3$	60	24.32	33.02	20.64	28.76
SO_2	$\mu g/m^3$	80	12.69	17.60	11.29	13.47
NO_2	$\mu g/m^3$	80	20.67	28.09	24.47	26.66
CO	mg/m^3	4.0	0.0017	0.0013	0.0014	0.0018

REMARKS: RESULTS ARE AS ABOVE

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31/8/24
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----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

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HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address of The Customer

To,
PRAKASH INDUSTRIES LIMITED
CHAMPA - 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO	UES/TR/24-25/03205
LAB REF NO.	UES/24-25/WP/05494-05591
DATE OF SAMPLING	22/08/2024 - 24/08/2024
DATE OF RECEIPT	25/08/2024
DATE OF REPORT	28/08/2024
DATE OF ANALYSIS	START: 25/08/2024 END: 28/08/2024

SAMPLE DETAILS

Monitoring For	Work Place Monitoring
Customer Ref. No.	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Sampling Location	As Described Below
Duration of Sampling	8 Hours
Sampling Type	Suspended Particulate Matter
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	GMF Filter Paper (8 X 10 Inch): 1x1 No.

REPORT NO. 03205

TEST REPORT

Sr. No.		Location	Result	Unit	Method Reference
1	Sponge Iron - RMH (Kiln-1&2)	Raw Material Ground Hopper	1482	µg/m^3	NAA Method IO-2.1
2		Raw Material Screening Area	1496	µg/m^3	
3	Sponge Iron - RMH (Kiln-1&2)	Raw Material Transfer Point	1471	µg/m^3	
4		Raw Material Vibrating Screen	1469	µg/m^3	
5	Sponge Iron - RMH (Kiln-3)	Raw Material Transfer Point	1437	µg/m^3	
6		Raw Material Vibrating Screen	1445	µg/m^3	
7		Raw Material Feeding Area (Kiln-1)	1427	µg/m^3	
8		Raw Material Feeding Area (Kiln-2)	1478	µg/m^3	
9		Raw Material Mixing Area	1386	µg/m^3	
10	Sponge Iron - Production (Kiln-1&2)	Cooler Oversize Material Discharge Area (Kiln-1)	765	µg/m^3	
11		Cooler Oversize Material Discharge Area (Kiln-2)	790	µg/m^3	
12		Intermediate Stock 'I' BIN Area	1376	µg/m^3	
13		Sponge Iron- Screening Area	1182	µg/m^3	
14		Sponge Iron- Magnetic Area	1144	µg/m^3	
15		Sponge Iron- Loading Area	1140	µg/m^3	
16		Screening Center- Sponge Iron Oversize Discharge	1643	µg/m^3	
17		Raw Material Feeding Area	1426	µg/m^3	
18	Sponge Iron- Production (Kiln-3)	Raw Material Mixing Area	1444	µg/m^3	
19		Cooler Oversize Material Discharge Area	761	µg/m^3	
20		Intermediate Stock 'I' BIN Area	1367	µg/m^3	
21		Sponge Iron- Screening Area	1193	µg/m^3	

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REPORT NO. 03205

TEST REPORT

Sr. No.		Location	Result	Unit	Method Reference
22		Sponge Iron- Magnetic Separation	1160	µg/m³	
23		Sponge Iron- Loading Point	1146	µg/m³	
24		Screening Center- Sponge Iron Oversize Discharge	1634	µg/m³	
25		In Between Coal Hopper and Coal Crusher	1547	µg/m³	
26		Near Coal Fines Loading Building	1254	µg/m³	
27		Iron Ore Screening Building	1110	µg/m³	
28	Sponge Iron- RMH,RMP, Production (Kiln-4&5)	Near Sponge & Char Loading Point	1570	µg/m³	
29		In Between Transfer Tower and Product Separation Building	969	µg/m³	
30		Near Cooler Discharge Area Kiln-4	754	µg/m³	
31		Near Cooler Discharge Area Kiln-5	775	µg/m³	
32		Near Raw Material Bin Area	1228	µg/m³	
33		At Product Junction House	1186	µg/m³	
34		Raw Material Feeding Area	1453	µg/m³	
35	Sponge Iron (Kiln - 6)	Raw Material Mixing Area	1447	µg/m³	
36		Cooler Oversize Material Discharge Area	773	µg/m³	
37		Intermediate Stock 'I' BIN Area	1369	µg/m³	
38	IFD - Shed No.01 (03 ton)	Vibro Feeder	1446	µg/m³	EPA Method IO-2.1
39		Raw Material Storage Yard	1373	µg/m³	
40		Concost Machine	1060	µg/m³	
41	IFD - Shed No.02 (15 ton-1))	Vibro Feeder	1680	µg/m³	
42		Raw Material Storage Yard	1634	µg/m³	
43		Concost Machine	1263	µg/m³	
44	IFD - Shed No.03 (06 ton)	Vibro Feeder	1529	µg/m³	
45		Raw Material Storage Yard	1470	µg/m³	
46		Concost Machine	1162	µg/m³	
47	IFD - Shed No.04 (12 ton)	Vibro Feeder	1649	µg/m³	
48		Raw Material Storage Yard	1553	µg/m³	
49		Concost Machine	1162	µg/m³	
50	IFD - Shed No.05 (15 ton-2)	Vibro Feeder	1734	µg/m³	
51		Raw Material Storage Yard	1649	µg/m³	
52		Concost Machine	1256	µg/m³	
53	IFD - Shed No.06	Vibro Feeder	1708	µg/m³	
54		Raw Material Storage Yard	1629	µg/m³	
55		Concost Machine	1253	µg/m³	
56	IFD - Shed No.07 (15 ton-4)	Vibro Feeder	1776	µg/m³	
57		Raw Material Storage Yard	1651	µg/m³	
58		Concost Machine	1273	µg/m³	
59	SAF-01 to 04	Raw Material Ground Hopper	1344	µg/m³	
60		Raw Material Transfer Point	1326	µg/m³	
61		Raw Material Hopper	1191	µg/m³	
62		Raw Material Feeding Area	1443	µg/m³	

Prakash Industries Ltd. Champa (C.G.)

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Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

REPORT NO. 03205

TEST REPORT

Sr. No.		Location	Result	Unit	Method Reference
63		Melting Shop Furnace	1049	µg/m³	
64		Raw Material Ground Hopper	1371	µg/m³	
65	SAF-05 to 06	Raw Material Transfer Point	1247	µg/m³	
66		Raw Material Hooper	1210	µg/m³	
67		Raw Material Feeding Area	1469	µg/m³	
68		Melting Shop Furnace	1125	µg/m³	
69		Raw Material Ground Hopper	1381	µg/m³	
70	SAF-07 to 09	Raw Material Transfer Point	1249	µg/m³	
71		Raw Material Hooper	1163	µg/m³	
72		Raw Material Feeding Area	1494	µg/m³	
73.		Melting Shop Furnace	1059	µg/m³	
74	Sinter Plant	Raw Material Hopper	1156	µg/m³	
75		Nr. Furnace (Pan) area	1291	µg/m³	
76	Power Plant - FBB-1	Raw Material Ground Hopper	1362	µg/m³	
77		Silo Area	1205	µg/m³	EPA Method IO-2.1
78		Raw Material Ground Hopper	1372	µg/m³	
79	Power Plant - FBB-2&3	Raw Material Transfer Point	1269	µg/m³	
80		Silo Area	1335	µg/m³	
81		Near Old CHP	1443	µg/m³	
82		Near New CHP	1312	µg/m³	
83		In Between Silo & ESP FBB-4&5	1275	µg/m³	
84		In Between Silo & ESP FBB-6&7	1237	µg/m³	
85	Power Plant - FBB-04,05,06,07	Near Coal Hopper	1326	µg/m³	
86		In Between Primary & Secondary Crusher Building	1558	µg/m³	
87		Nr. Secondary screening Building	1440	µg/m³	
88		In Between CHP & CHP screening Building	1361	µg/m³	

REMARKS:N.D.- NOT DETECTED

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29/8/24

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----------*End of the test report*----------

Prakash Industries Ltd. Champa (C.G.)

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Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA - 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO.	UES/TR/24-25/03048	
	LAB REF NO.	UES/24-25/W/05275	
	DATE OF SAMPLING	22/08/2024	
	DATE OF RECEIPT	23/08/2024	
	DATE OF REPORT	27/08/2024	
	DATE OF ANALYSIS	Start:23/08/2024	End:27/08/2024

SAMPLE DETAILS

Order /Reference:	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Sample Type	1. STP OUTLET WATER
Customer Sample Id / Sampling Location	EFFLUENT WATER
Packing Of Sample	3 L X 1 No. PVC Can, 1 L X 1 No. Glass Bottle
Sample Collected By	laboratory CHEMIST
Sampling Procedure	IS:3025(Part I):1987 RA 2003

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per Consent	Result
1.	pH at 25.0°C	-	IS:3025:(Part-11):1983	5.5 to 9.0	7.90
2.	Total Suspended Solids	mg/l	IS:3025:(Part-17):1984	100	9.57
3.	Chemical Oxygen Demand (COD)	mg/l	IS:3025:(Part-58):2006	250	45.0
4.	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44):1993	30	[illegible]
5.	Oil & Grease	mg/l	IS:3025:(Part-39):1986	10.0	0.70

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

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27/08/24
AUTHORIZED SIGNATORY

----------End of the test report----------

Prakash Industries Ltd. Champa (C.G.)

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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,
PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO.	UES/TR/24-25/03049
LAB REF NO.	UES/24-25/W/05276
DATE OF SAMPLING	22/08/2024
DATE OF RECEIPT	23/08/2024
DATE OF REPORT	27/08/2024
DATE OF ANALYSIS	Start:23/08/2024 End:27/08/2024

SAMPLE DETAILS

Order /Reference:	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Sample Type	1. ETP OUTLET WATER
Customer Sample Id / Sampling Location	EFFLUENT WATER
Packing Of Sample	3 L X 1 No. PVC Can, 1 L X 1 No. Glass Bottle
Sample Collected By	laboratory CHEMIST
Sampling Procedure	IS:3025(Part I):1987 RA 2003

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per Consent	Result
1.	pH at 25.0°C	-	IS:3025:(Part-11):1983	5.5 to 9.0	7.84
2.	Total Suspended Solids	mg/l	IS:3025:(Part-17):1984	100	8.00
3.	Chemical Oxygen Demand (COD)	mg/l	IS:3025:(Part-58):2006	250	48.0
4.	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44):1993	30	2.00
5.	Oil & Grease	mg/l	IS:3025:(Part-39):1986	10.0	0.60

Note: mg/lit., milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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----------*End of the test report*----------

Prakash Industries Ltd. Champa (C.G.)

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HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer:			
To,	REPORT NO.	UES/TR/24-25/03050	
PRAKASH INDUSTRIES LIMITED	LAB REF NO.	UES/24-25/W/05277	
CHAMPA – 495671, DISTT.- JANJGIR	DATE OF SAMPLING	22/08/2024	
CHAMPA CHHATTISGARH	DATE OF RECEIPT	23/08/2024	
	DATE OF REPORT	27/08/2024	
	DATE OF ANALYSIS	START: 23/08/2024	END: 27/08/2024

SAMPLE DETAILS

Customer Sample Id / Sampling Location	River Water - Hasdeo		
Sample Type	Surface Water	Sample Condition At Receipt	Ok
Packing of Sample	Plastic Bottle (3 Ltr. x 1) Glass Bottle (2 ltr. x 1)	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx. 5Ltr.

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	RESULT
1	pH Value at 25.0°C	-	IS:3025:(Part-11)	7.79
2	Total Suspended Solids	mg/l	IS:3025:(Part-17)	9.27
3	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44)	8.50
4	Chemical Oxygen Demand (COD)	mg/l	IS:3025:(part-58)	40.0
5	Oil & Grease	mg/l	IS:3025:(Part-39)	BDL

Note: mg/lit.: milligram per liter, BDL.: Below Detection Limit.

REMARKS: RESULTS ARE AS ABOVE

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- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.*
- *This is for information as the party has asked for above test(s) only*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

22/8/24
REVIEWED BY

27/08/24
AUTHORIZED SIGNATORY

End of the test report

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR CHAMPA CHHATTISGARH**	REPORT NO.	UES/TR/24-25/03051	
	LAB REF NO.	UES/24-25/W/05278	
	DATE OF SAMPLING	22/08/2024	
	DATE OF RECEIPT	23/08/2024	
	DATE OF REPORT	27/08/2024	
	DATE OF ANALYSIS	START: 23/08/2024	END: 27/08/2024

SAMPLE DETAILS :

Customer Sample Id / Sampling Location	Ground Water (Borewell)		
Sample Type	Ground Water	Sample Condition At Receipt	Ok
Packing of Sample	Plastic Bottle (3 Ltr. x 1) Glass Bottle (2 ltr. x 1)	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx. 5Ltr.

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	RESULT
1	pH Value at 25.0°C	-	IS:3025:(Part-11)	7.20
2	Total Suspended Solids	mg/l	IS:3025:(Part-17)	8.47
3	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44)	BDL
4	Chemical Oxygen Demand (COD)	mg/l	IS:3025:(part-58)	BDL
5	Oil & Grease	mg/l	IS:3025:(Part-39)	BDL

Note: mg/lit : milligram per liter, BDL: Below Detection Limit.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- *The use of the report for publication, arbitration or as legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.*
- *This is for information as the party has asked for above test(s) only.*

For ULTIMATE ENVIROLYTICAL SOLUTIONS

20/8/24

REVIEWED BY

27/08/24

AUTHORIZED SIGNATORY

End of the test report

Prakash Industries Ltd. Champa (C.G.)

Prakash Industries Limited, Champa

ANNEXURE – IV

SOLID WASTE GENERATION AND UTILIZATION
For the period of April 2024 to September 2024

Sl. No.	Name of the Solid Waste	Quantity Generated (MT)	Disposal Method & Quantity	
			Disposal Method	Quantity (MT)
1	2	3	4	5
A.	**Sponge Iron Division - Kiln Waste**			
	Kiln Waste			
I	Char, Dolochar	191388	Used in CPP boiler for Power generation. Time to time temporarily stored in yard.	145718
			Over size & remaining part are Used in roads making & filling of pits.	45670
II	Wet Scrapper Dust	19932	Used in roads making & filling of pits.	19932
III	ESP dust		Disposal in abandoned mines. Time to time temporarily stored in yard.	
IV	Bag filter dust & other dust		Disposal in abandoned mines. Time to time temporarily stored in yard.	
	Total	211320		211320
B.	**Captive Power Plant**			
I	Fly ash & Bottom ash	354446	1. Used in mine filing. 2. Used in PIL Bricks plant.	354446
C.	**Induction Furnace Division**			
I	Slag-IFD	144282	Used in road construction & filling of low lying areas. Time to time temporarily stored in yard	144282
D.	**Sub Merged Arc Furnace**			
I	Slag-SAF	29001	Used in road construction & filling of low lying areas. Time to time temporarily stored in yard	29001
a.	**Iron Ore fines:** It is generated during handling & sizing of Iron Ore and this is by-product for us. We are using this in the plant premises for sinter & sale to nearby cement plants & in the market. Time to time temporarily stored in yard. temporarily			
b.	**Accretion Material:** It is generated in the Kiln and is taken out during shut down. We are using this for widening and strengthening of the roads.			
c.	**Coal dust/reject coal/ coal lumps:** Used in CPP boiler for Power generation. Time to time temporarily stored in yard.			

Prakash Industries Ltd. Champa (C.G.)

ANNEXURE – V

GREEN BELT – PLANTATION REPORT

From 1991 to December 2009 we had planted approx.1,86,640 saplings and from January 2010 to October 2024 approx. 1,50,000 saplings. Thus, the total number of saplings which we have planted and survived are approx. 3.36 Lacs. During the monsoon of 2024, we have planted approx 10,000 species in the area available in campus.

Year	Number of Trees	Cumulative (Approx.)
Upto December 2009		186640
2010	10000	196640
2011	10000	206640
2012	10000	216640
2013	10000	226640
2014	10000	236640
2015	10000	246640
2016	10000	256640
2017	10000	266640
2018	10000	276640
2019	10000	286640
2020	10000	296640
2021	10000	306640
2022	10000	316640
2023	10000	326640
2024	10000	336640

Details of the species planted in the Premises

Pipal, Bargad, Ashoka, Neem, Kadam, Amla, Jamun, Mango, Imali, Guava, Ber, Arjun, Sagon, Sisso, Karanj, Kala Siris, Nilgiri, Bans, Peltaphorum, Khamar, Gulmohar, Kachanar, Australian Babool, Amaltas, Bakool, Bakayan, Kesia Samia, etc.

Prakash Industries Ltd. Champa (C.G.)

Annx

VERIFICATION REPORT OF GREEN BELT

PRAKASH INDUSTRIES LIMITED, CHAMPA (C.G.)

2023-24

SURVEY & EVALUATION By: "SOCIETY FOR ENVIRONMANT & INTEGRATED DEVELOPMENT RAIPUR"

SEIDR

Prakash Industries Ltd. Champa

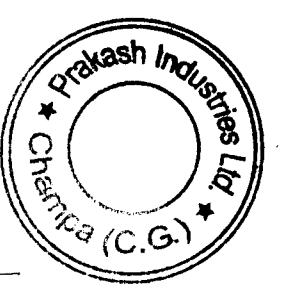
Evaluation of Greenbelt Development

For

M/s PRAKASH INDUSTRIES LIMITED

CHAMPA

DISTRICT- JANJGIR-CHAMPA- 495671



INDEX

Prakash Industries Ltd. Champa (C.G.)

Part A

INTRODUCTION

M/s PRAKASH INDUSTRIES LIMITED is located at Champa, Dist-Janjgir-Champa,(C.G.).

Green vegetation cover offers numerous benefits for the environment and society. It aids in conserving biodiversity by providing habitats for various species. Additionally, it helps to retain soil moisture, facilitating agricultural productivity and reducing erosion. Green cover also contributes to groundwater recharge, ensuring sustainable water resources. Moreover, it plays a crucial role in maintaining a pleasant microclimate in regions, offering shade and cooling effects. Overall, green vegetation cover is essential for ecological balance and human well-being.

Regulations/ Environmental Law for Green Belts Development in India:

The regulation and environmental laws pertaining to green belt development in India are primarily governed by the following:

1. Environment Protection Act, 1986 (EPA): This is the umbrella legislation for environmental protection in India. It empowers the central government to take measures for the protection and improvement of the environment. Under this Act, Environmental Impact Assessment (EIA) is mandatory for certain projects including those affecting green belt.

2. Forest (Conservation) Act, 1980: This Act regulates the diversion of forest land for non-forest purposes, including for green belt development. It requires prior approval from the central government for such diversions.

3. Wildlife Protection Act, 1972: This Act aims to protect wildlife and their habitats. It prohibits certain activities within protected areas, which often include green belt.

4. Town and Country Planning Acts: Different states in India have their own town and country planning acts which regulate land use and development activities, including provisions for green belt.

5. Local Municipal Laws: Municipal laws and by-laws often include provisions for maintaining green spaces within urban areas.

Prakash Industries Ltd. Champa (C.G.)

6. National Green Tribunal (NGT): The NGT is a specialized body in India that handles cases related to environmental protection and conservation. It plays a crucial role in ensuring compliance with environmental laws, including those related to green belt.

7. Environmental Clearance: Projects that impact the environment, including those affecting green belt, require environmental clearance from the Ministry of Environment, Forest and Climate Change (MoEF&CC) or the State Environmental Impact Assessment Authority (SEIAA) depending on the scale of the project.

8. Land Acquisition Act, 2013: In cases where land needs to be acquired for green belt development, the Land Acquisition Act provides the legal framework for fair compensation and rehabilitation of affected persons.

9. Local Government Regulations: Municipal corporations and local governing bodies often have regulations pertaining to green spaces, parks, and open areas within their jurisdictions.

These laws and regulations collectively aim to ensure sustainable development while protecting and preserving green spaces and the environment in India. Compliance with these regulations is crucial for any development activities, including those involving green belt, to avoid legal complications and environmental damage.

This refers to environmental regulations or guidelines set forth by the Ministry of Environment, Forest and Climate Change (MoEF&CC) regarding the establishment of green belt around industrial plants. These regulations typically aim to mitigate the environmental impact of industrial activities by promoting the creation of green spaces.

According to the stipulations mentioned, a green belt must be established around the plant by planting trees. The total area of the green belt, including landscaping areas, should be one-third (33%) of the total plant area. This means that a significant portion of the plant area will be dedicated to greenery and landscaping to improve the environmental aesthetics and ecological balance.

Prakash Industries Ltd. Champa (C.G.)

Additionally, it is also mentioned to lay down areas that will be converted into green spaces later on. This suggests that there may be temporary areas within the plant site that will eventually be transformed into green zones as part of the overall green belt development.

Following these regulations will not only help in complying with environmental laws but also contributes to biodiversity conservation, air quality improvement, and overall environmental sustainability.

1. ABOUT PROJECT

Prakash Industries Ltd., established in 1980, is an integrated steel plant located at Champa, in the District of Janjgir-Champa, Chhattisgarh. The plant is equipped with advanced technology and facilities for the production of sponge iron, captive power, and steel melting shop (SMS), and ferroalloys products.

Key Addresses:

- Plant Location: Champa, District – Janjgir-Champa, Chhattisgarh, India.
- Corporate Office: Sirvan, Bijwashan, New Delhi-110061, India.
- Registered Office: 15 Km Stone, Delhi Road, Hisar, Haryana, 125044, India.

2. LOCATION OF PLANT AND ACCESSIBILITY

Prakash Industries Limited's plant area is located at Champa, district, Janjgir-Champa in the state of Chhattisgarh. This site is situated on the bank of Hasdeo River and just 4.5 kilometers from the Mumbai-Howrah National Highway (NH 200). The project site is accessible via both bitumen roads and rail networks Champa station, situated on the Mumbai-Howrah broad gauge mainline of the South-Eastern-Central Railway, is about 4.5 kilometers from Prakash Industries Ltd.

3. AREA DESCRIPTION

I. Plant Area – Approx. 243.72 Hectares
II. Existing Green belt area – 80.42 Hectares

Prakash Industries Ltd. Champa (C.G.)

4. GREEN BELT

Establishing an Environment Management Department (EMD) demonstrates Prakash Industries Limited commitment to environmental responsibility and compliance with regulations set forth by the Ministry of Environment, Forest and Climate Change (MoEF&CC), Central Pollution Control Board (CPCB), and the Chhattisgarh Environment Conservation Board. The green belt development mandate in India aims to mitigate environmental impact, particularly in industrial sectors like steel production.

Prakash Industries Limited EMD likely oversees various pollution control measures, including but not limited to:

1. Implementing technologies for reducing emissions of pollutants such as particulate matter.
2. Monitoring air, water, and soil quality to ensure compliance with regulatory standards.
3. Managing waste generated during the steel production process, including hazardous and non-hazardous waste, through proper disposal or recycling methods.
4. Developing and maintaining green belts or vegetative barriers around the industrial facility to mitigate air and noise pollution, improve aesthetics, and provide ecological benefits such as biodiversity conservation and soil stabilization.
5. By establishing an EMD, Prakash Industries Limited not only fulfils its legal obligations but also demonstrates a proactive approach to environmental stewardship and sustainable business practices. This department plays a crucial role in ensuring that the company operates in harmony with its surroundings while minimizing its environmental footprint.

The Green Belt helps to capture the fugitive emission and attenuate the noise apart from improving the aesthetics of the region. Of total area (243.72 Hectares) of the project site, 33% area (80.42 Hectares) shall be developed as green belt all along the boundary of the plant, in blocks and other available spaces. Development of green belt and other forms of greenery in and

Prakash Industries Ltd. Champa (C.G.)

around plant site and plantation in the nearby hill and village are helpful to improve ecological conditions and biodiversity status of the area.

Survey and evaluation work was assigned by M/s Prakash Industries Limited, located at Champa, District – Janjgir-Champa (C.G.), to our organization, the "Society for Environment & Integrated Development Raipur." The work order number WR24Y was issued on May 9, 2024.

5. EVALUATION OF PLANTATION

Evaluation of Plantation needs to be done by the Industrial units for Existing Plantation within plant premise & nearby areas as per stipulations made by MoEF & CC, New Delhi and CECB, Raipur in its permissions granted to the company as also directions received from the Regional offices time to time.

6. PROJECT OBJECTIVE

Plant Species act as bio-monitoring agent to monitor the air environment as well as it keeps and maintains the project environment healthy by providing more oxygen. The two areas of air pollution i.e. gases and dust need to be urgently attended by using plants. Keeping this in mind, pollution abatement measures have been suggested to develop green belt based on local and physical conditions of the areas by taking the cognizance of "**Greening with Purpose drive**".

7. PLANTATION DETAILS

M/s Prakash Industries Limited has demonstrated a strong commitment to environmental conservation through its extensive tree plantation efforts within its plant premises at Champa since its inception in 1991. With regard to current physical verification of plantation for plants or sapling planted21017 in the year of 2022-23 and 2023-24, the company successfully planted and Gape filling a total of 21017, saplings. This initiative significantly enhanced the existing greenery and went beyond the statutory requirement of developing 33% of the total land area as a green belt. Prakash Industries Limited's proactive approach underscores its dedication to sustainability and environmental stewardship.

Prakash Industries Ltd. Champa (C.G.)

8. Table : 1 Details of year wise plantation inside plant premises

S. n.	Plantation years	Total planted plants	Total Survival plants	Mortality	Survival %
1.	2022-23	10628	8728	1900	82%
2.	2023-24	10389	8592	1797	83%
	Total=	21017	17320	3697	82%

9. PLANTATION SITES

Plantation work has been done along the plant boundary, inside the plant premises. Plantation survey has been carried out by our expert team with the help of M/s Prakash Industries Limited management and office staff. Following plantation sites have been planted by M/s Prakash Industries Limited.

Plant Premises: location of Plantation-

1. Ganesh temple road to petrol pump area
2. Club to Main gate, Parking area
3. Main gate, Barrier, boundary wall area
4. Dispensary, Guest house area
5. Material gate, Bypass road area
6. Around pond area
7. Behind work shop area
8. Kiln area
9. NewBricks and Bricks plant area
10. New land project area
11. Saberia area
12. Along with boundary wall (4X25PP)
13. Guard mass area
14. CHP area of 4X25 power plant
15. Weigh bridge no.1 area
16. Pump house area
17. DM plant front and back area
18. CDCL area
19. Charcoal road area
20. Engineering office area

Prakash Industries Ltd. Champa (C.G.)

SOCIETY FOR ENVIRONMENT & INTEGRATED DEVELOPMENT RAIPUR SEIDR

Part - B

1. **PHYSICAL VERIFICATION OF PLANTATION (GREEN BELT) AND EVALUATION REPORT**
2. METHODOLOGY:
   - Counting- All plants, Trees and sapling of all sites are counted.
   - Measurement – Average Height of Trees, Plants and Sapling are taken randomly.
   - Measurement are Recorded. Photographs have been taken so as to show real picture of plantation.
   - Plantation at the site. Details of species are also noted.

   Upon survey (Physical verification) by our team, we found that for the year 2022-23-2023-24, 21017nos. plants, saplings have been planted by Prakash Industries Ltd. Champa, out of which 17320 has survived. The measurements of the plants are given in table below:-
3. Planted Species and Measurements:

Prakash Industries Ltd (2022-23-2023-24)							
s. n.	Species	Average		Maximum		Minimum	
		Girth	Height	Girth	Height	Girth	Heig
1.	Peltaphorum	4.52	0.99	10	2.40	2	0.40
2.	Jamun	8.77	1.28	14	2.40	5	0.40
3.	Mango	7.2	1.31	10	2.20	2	0.45
4.	Kadmba	7	0.97	12	1.80	4	0.35
5.	Badam	6.7	0.81	12	1.50	5	0.60
6.	Gulmohar	7.5	1.19	14	2.00	4	0.50
7.	Arjun (Kahuwa)	9.3	1.07	12	1.80	5	0.45
8.	Shisoo	9.41	1.85	30	5.50	2	0.35
9.	Pipal	9.8	1.30	12	2.10	4	0.60
10.	Karanj	5.88	1.71	8	3.00	4	0.40
11.	Neem	7.44	2.12	12	2.50	4	0.35
12.	Siris Black	17.22	3.56	24	5.50	8	2.50
13.	Ashok	10.11	1.11	12	2.00	4	0.45
14.	Alastonia	12.11	1.10	20	2.00	8	0.32

Prakash Industries Ltd. Champa (C.G.)

4. PLANTED SPECIES, PLANTS NUMBER AND PERCENTAGE

Planted Species, No. of plants, Survival plants no. and percentage				
S. N.	PLANTED SPECIES	No. of planted species	Survival plants no. as per survey	Survival percentage
1.	Peltophorum, Neem, Gulmohar, Kadmba, Siris Black, Mango, Pipal, Shisoo, Arjun, Karanj, Ashok, Jamun, etc.	21017 (2022-23 2023-24)	17320	82%
	Total =	21017	17320	82%

5. GRADING OF PLANTATION :- GRADE CARD

M/s Prakash Industries LIMITED

a. Grading of project plantation on scale of 1 to 10

Qualitative Aspects	Survival	8.30
	Health of Plantation	8.00
	Maintenance	8.50
	Sustainability	8.00

b. Grading of Project plantation on scale 1 to 10

Overall Grading of Plantation	Outstanding (Excellent) (8<10)	Very Good (5<8)	Good (3<5)	Poor (>3)
	8.2			

6. DISCUSSION WITH MANAGEMENT AND STAFF AS UNDER -

1. Mr. Subhash Hardaha : General Manager
2. Mr. Santosh Thawait : Asst. General Manager
3. Mr. P. M. Sahoo : Manager

7. SUGGESTION FOR IMPROVEMENT

1. Plants to be planted not less than one year in age and 01 meter height.
2. Space 2M×2M, 3M×3M and maximum 4M×4M according to maximum girth of plants.
3. Species – Fast growing to be planted.
4. Given priority to broader leaves plants.

Prakash Industries Ltd. Champa (C.G.)

species may be chosen as under – Khamar, Shisham, Teak, Acacia, Pettophorum,Neem, Nilgiri, Peepal, Amaltas, Karanja, Sahaneem, Jamun, Ashoka, Arjuna, Bottle pam, Badam, Kada

Increase irrigation facility to more number of plants.

Soils of pots should be changed in hard soil area.

Plants to be planted regularly every year including replacement.

Germination Time – Humic oxide can be used for better results

Manure – Compost, Verm compost, DAP, Zhaim also to be us

Termite and Other pests control – Cholorocyper, Imida combi

Planting work to be done in june and July.

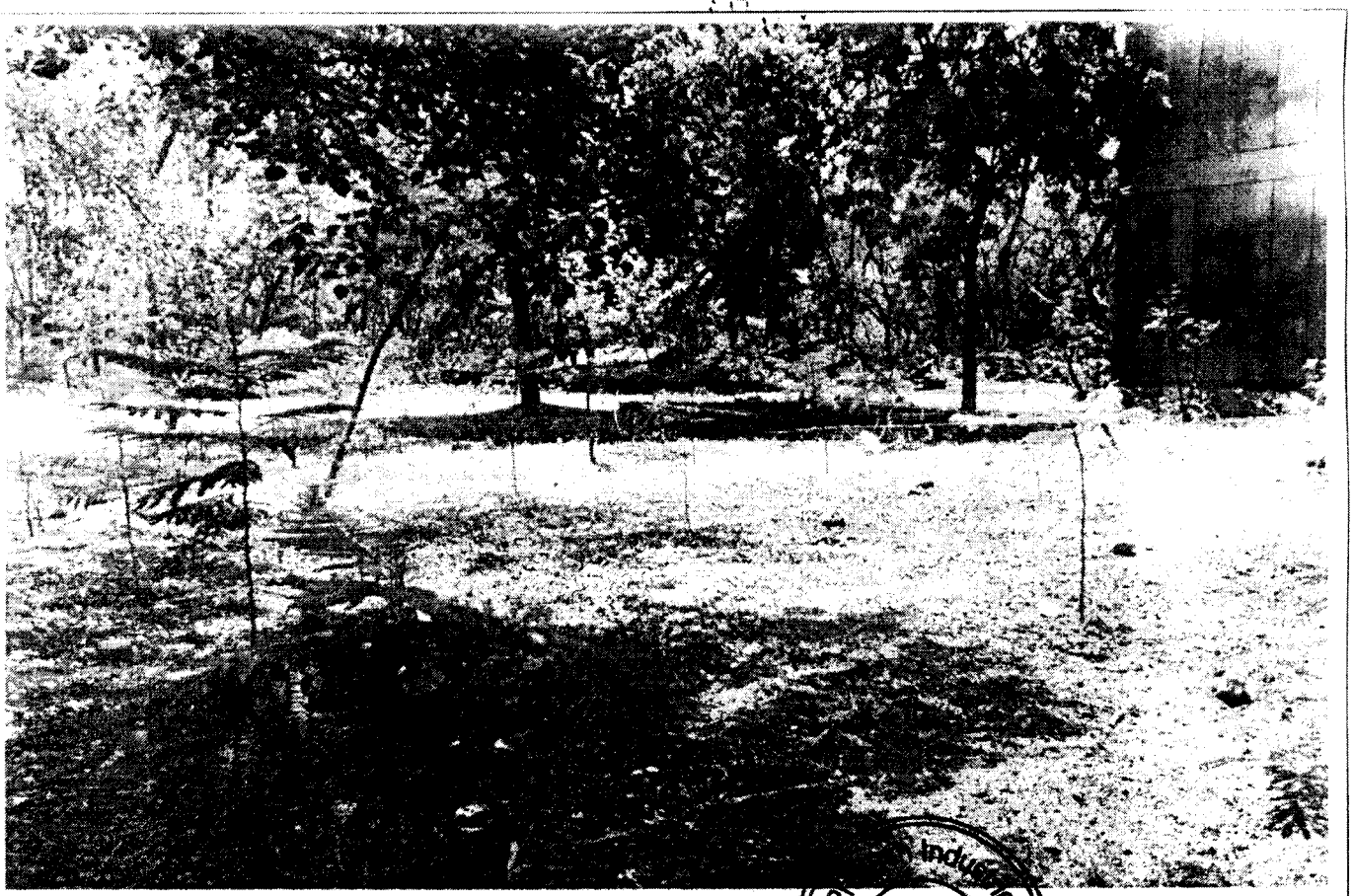
Mortality should not be counted for increase in area.

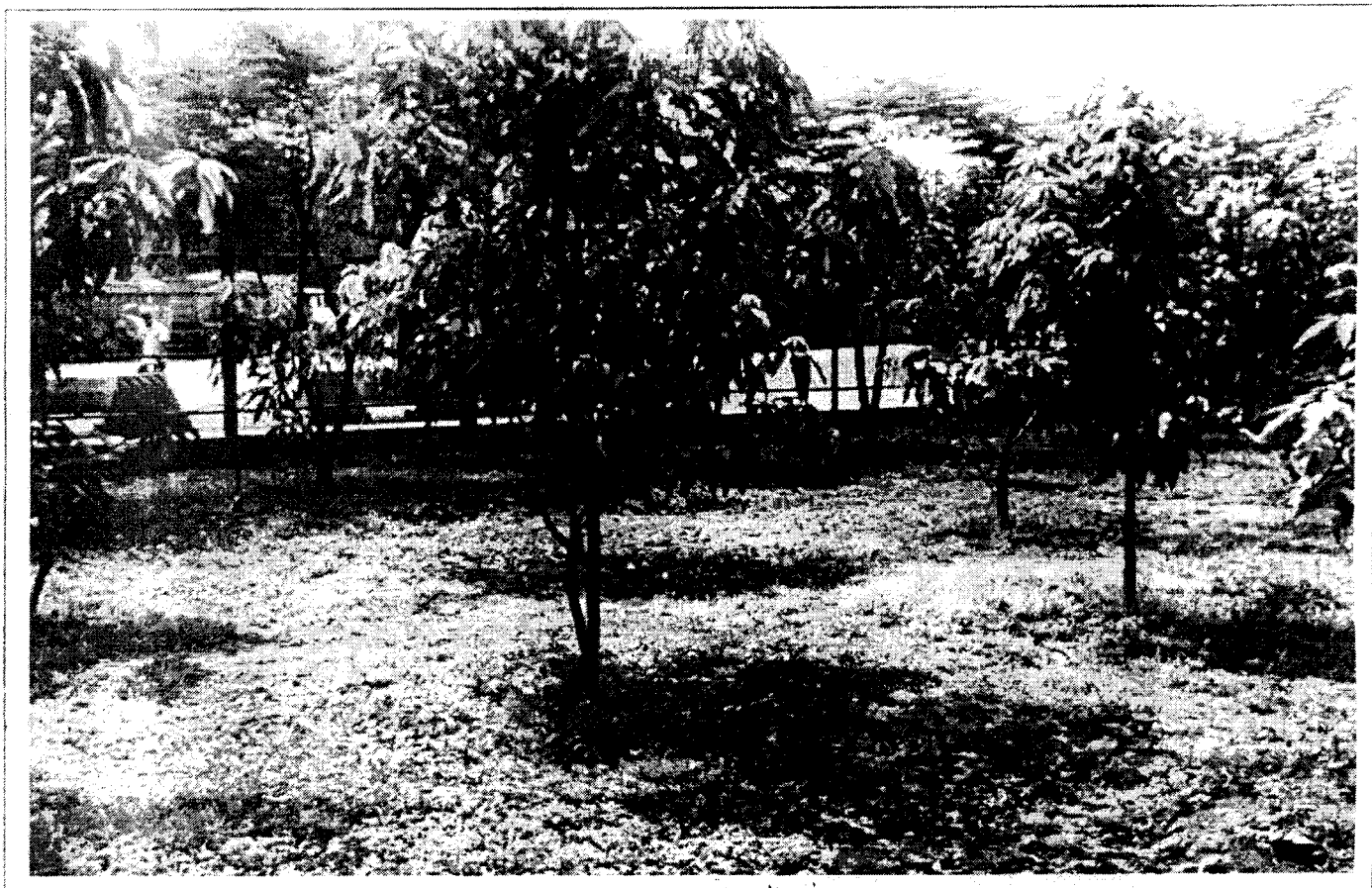
It is compulsory to have a water pipe line for the proper gr the planted plants.

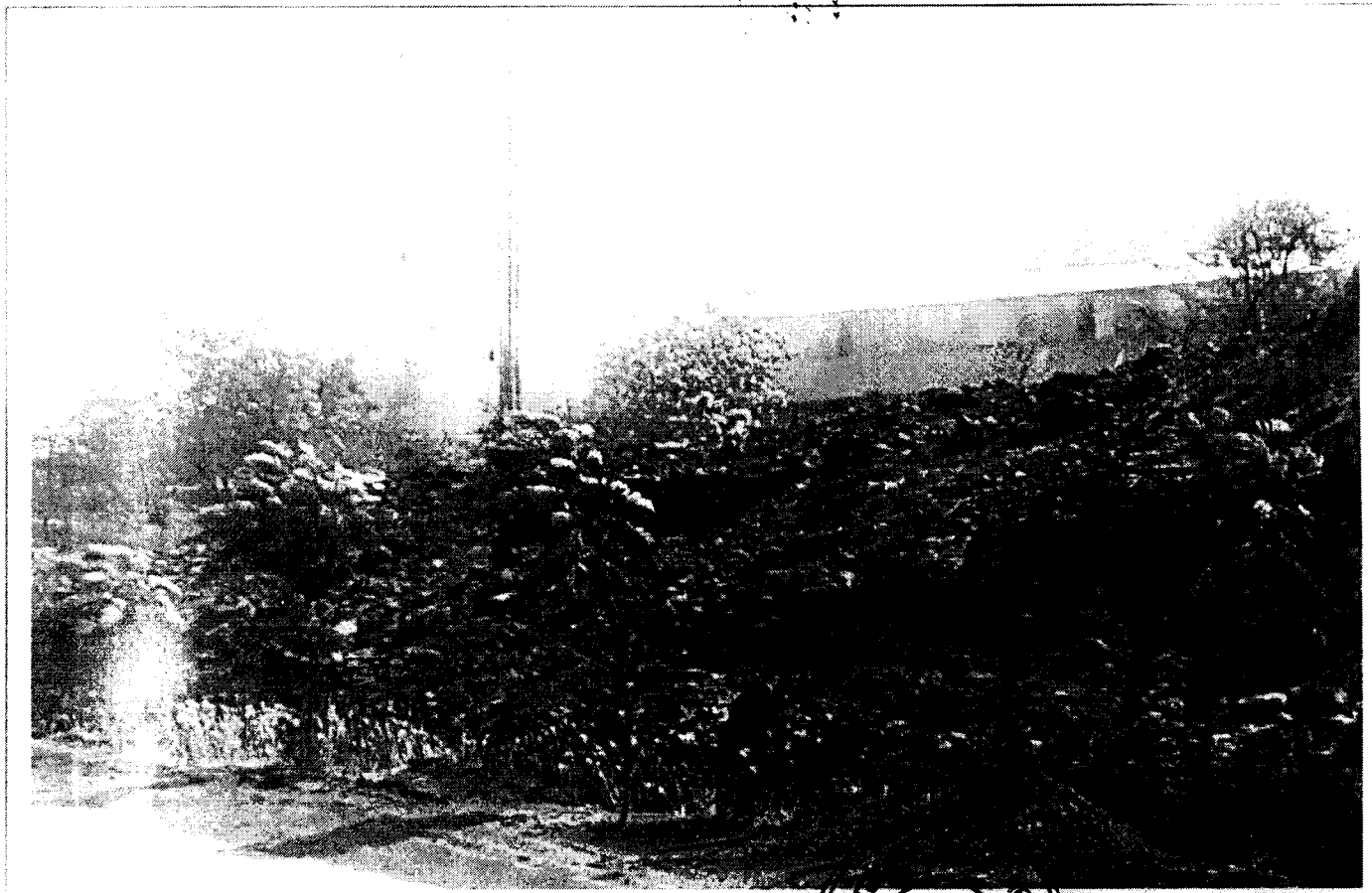
8. PICTURES OF PLANTATION:

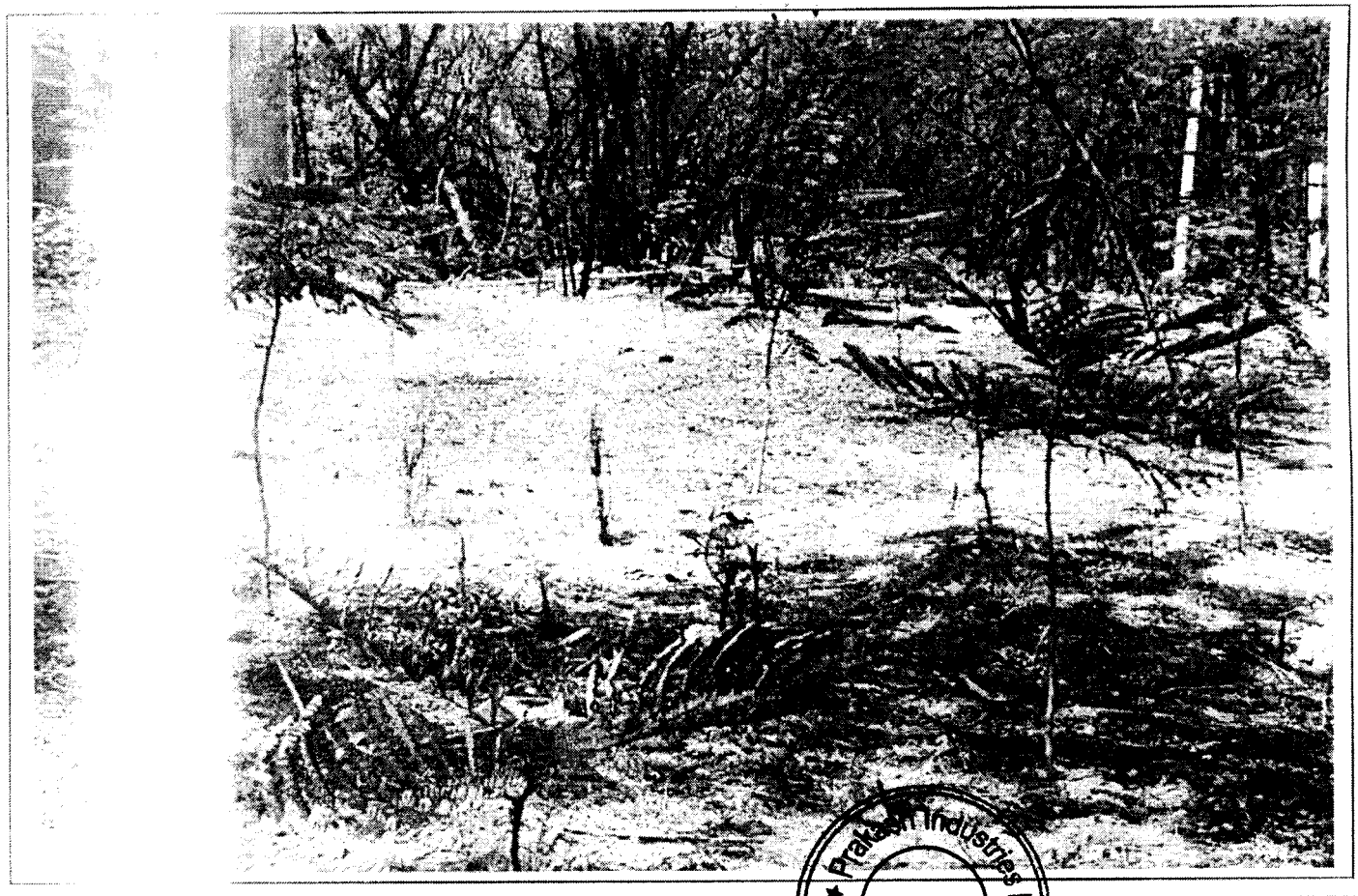
SEIDR

Prakash Industries Ltd. Champa (C.G.)

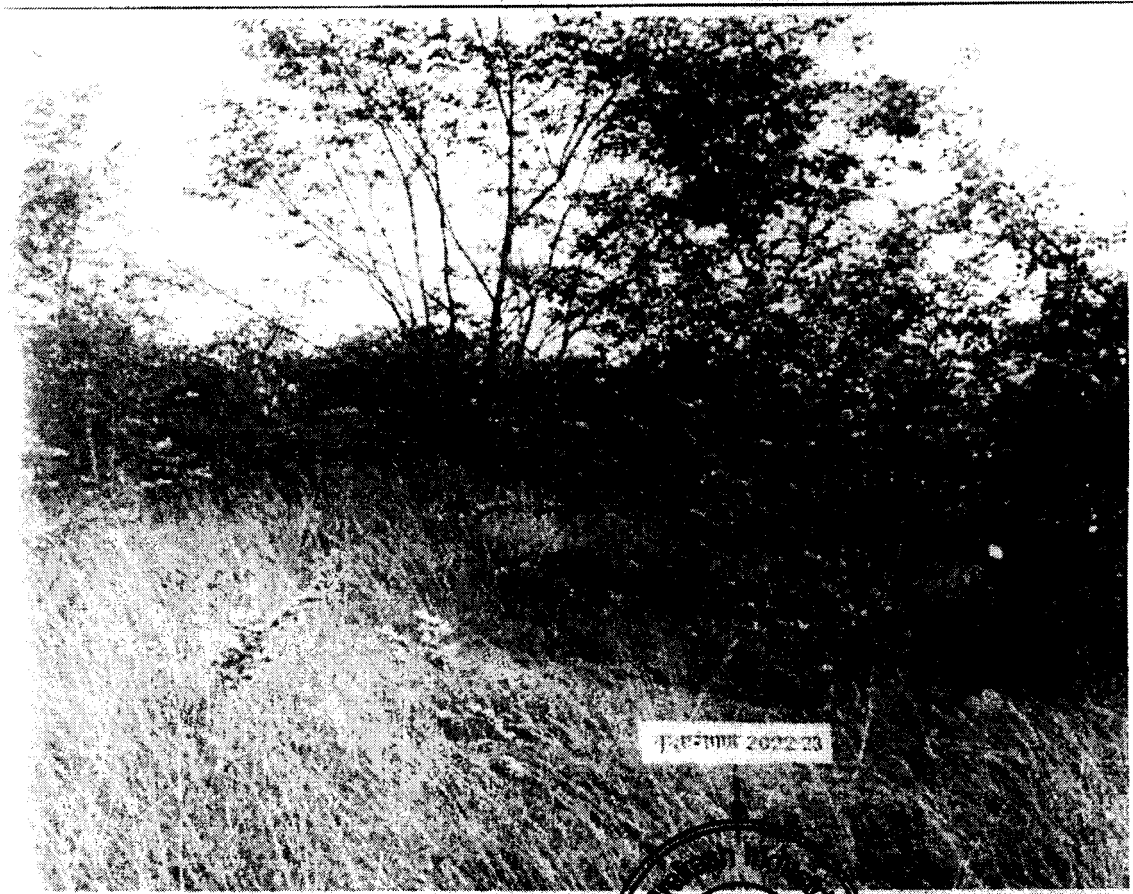








Prakash Industries Ltd. Champa (C.G.)



A WORD OF APPRECIATION

e extend our heartfelt appreciation to all management officers and staff of
kash Industries Ltd. for their dedicated efforts in developing and
g the green belt and greenery in the area. We are particularly impressed
areful attention given to the saplings after plantation. Your commitment
d work in enhancing the green spaces within and outside the plant
s are truly commendable.

ou for your outstanding contribution to environmental sustainability.

"SEIDR"

(Society for Environment & Integrated Development Raipur)

Raipur Chhattisgarh

Prakash Industries Ltd. Champa (C.G.)

THE TEAM INVOLVED IN SURVEY & EVALUATION

S.	Name	Job	Experience
	ShriD. K. Tiwari	Team Leader	18 years' experience of forest related work
	ShriKamleshDubey	Coordinator	8years' experience of monitoring & evaluation & micro planning
	ShriJashvir Singh Virdi	Investigator	7years' experience of monitoring & evaluation

EXECUTIVE BODY OF "SEIDR"

S.	Post	Name	Experience
	President	Shri S.K. Roy	Retd. A.C.F. C.G. Govt.
	Vice President	Smt. Shobh Mishra	Professional
	Secretary	Smt. AshaTiwari	Teacher (Private School)
	Join Secretary	KamleshDubey	Professional
	Treasurer	Shri D.K. Tiwari	Professional

Prakash Industries Ltd. Champa (C.G.)

ABOUT THE EVALUATION AGENCY

Organization profile

Name of Organization	*"Society for Environment & Integrated Development Raipur"*
Status	*Non-Government Organization {NGO} and working as Development and welfare.*
No. & Date of registration	*C. G. State – 3270. Date – 01/03/2011*
Registration	*Under Society Registration Act. – 1978.*
Resource Centre Address: -	*J-9/A, ShriRam Nagar, Phase –I, Street – II, Post Office Shankar Nagar Raipur (C.G.) Pin Code – 492004*
Phone	*+91- 771-3587611*
Chief Functionary	*Mr. S. K. Roy (Retd. Forest A.C.F. C.G. Forest)*
	Mob. No. 094255 – 02223
Contact Person	*Mr.D. K. Tiwari (Contact Person)*
	Mob. No. 98261 – 86813, 96695 - 77114
Mail	seidraipur@gmail.com
Bank	*State Bank of India, Vip Estate colony Raipur (C.G)*
	Account No. – 35731546062 (Current A/C)
	IFS Code - SBIN0013004, PAN - AAHAS3608L

SEIDR MISSION

To release the creative energies resources and aspirations of the poor. Especially tribes, equality and women to seek and create opportunities for full effective sustainable participation in social, economic, political and cultural life of society and nation.

SEIDR VISION

SEIDR envisions a society based on the values of gamine democracy, equality and peace for all its citizens, where people and government play their respective roles effectively with transparency and accountability.

Area of Operation

Intervention in all districts of Chhattisgarh state, with trained technical and professional staff.

Prakash Industries Ltd. Champa (C.G.)

OTHER MEMBER OF EXECUTIVE BODY

S.	Name	Experience
	Laxman Prasad Murchulia	Retd. Forester
	PrabhatPandey	Electrical Engineer
	AkhilShrivastava	Professional
	VarunTiwari	Labour Court Lawyer
	Smt. Nirmala	Labour Court Lawyer
	Moh. Jabbar	Businessman
	PradeepSahu	Professional

THANK YOU

****

Prakash Industries Ltd. Champa (C.G.)

SOCIETY FOR ENVIRONMENT & INTEGRATED DEVELOPMENT RAIPUR SEIDR

ANNEXURE – VI

CREP – STEEL PLANT

Sl. No.	Description	Status
1	**Coke Oven Plants** To meet the parameters PLD (% leaking doors), PLL (%leaking lids), PLO (% leaking off take), of the notified standards under EPA within three years (by December 2005). Industry will submit time bound action plan and PERT Chart along with the Bank Guarantee for the implementation of the same.	Not Applicable
	To rebuild at least 40% of the coke oven batteries* in next 10 years (by December 2012).	Not Applicable
2	**Steel Melting Shop** Fugitive emissions: To reduce 30% by March 2004 and 100% by March 2008 (including installation of secondary de-dusting facilities).	We have installed Exhaust fans on the top of the furnace sheds, which are very effective and due to this 30% fugitive emission is reduced. We have also commissioned Fume Extraction System (Venturi Scrubber) in all 06 sheds and Bag filter system in one shed to complete reduction of emission.
3	**Blast Furnace** Direct inject of reducing agents —— by June 2013.	Not Applicable
4	**Solid Waste / Hazardous Waste Management** Utilization of Steel Melting Shop (SMS) / Blast Furnace (BF) Slag as per the following schedule. • By 2004 - 70%, • By 2006 – 80% and • By 2007 – 100%	Slag is generated from Induction Furnaces. This slag is Processed in a crusher for separation of metallic and nonmetallic parts. Metallic part is again utilized in furnaces, where as non-metallic part is used for road construction and for filling of low-lying areas inside the plant. Utilization of slag is given in **Annexure III.**
	Hazardous Wastes Charge of tar sludge / ETP sludge to Coke Oven by June 2003.	As per Hazardous Waste Rules amended till date, waste-lubricating oil is generated as Hazardous waste. Authorization under Hazardous waste rules has been granted to us from CECB.
	• Inventorization of the Hazardous Waste as per Hazardous Waste (M&H) Rules, 1989 as amended in 2000 and	Plant is granted Hazardous Waste authorization for capacity of 20000 Litre/year used/spent oil and 10-15 Litre/Annum. We have sold 14.10 MT of used oil to the CPCB

Prakash Industries Ltd. Champa (C.G.)

	implementation of the Rules by Dec. 2003. • (Tar sludge, acid sludge, waste lubricating oil and type fuel falls in the category of Hazardous Waste).	authorized recyclers for the period of 2023-2024. Used Ion exchange material (waste resin) not generated from DM plant. when it will be generated, we will utilize the same for energy recovery in boiler for power generation within premises.
5	**Water Conservation / Water Pollution** • To reduce specific water consumption to 5 m^3/t for long products and 8 m^3/t for flat products by December 2005. • To operate the CO-BP effluent treatment plant efficiently to achieve the notified effluent discharge standards. - by July 2003.	We are manufacturing Blooms and Billets through concast and selling them in market. We are not manufacturing any long/flat products and therefore this is not applicable. Not Applicable.
6	Installation of Continuous stack monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring (AAQM) stations by June 2005.	We have already installed continuous stack monitoring systems & gas analyzers in all major stacks and its calibration is being done on regularly. Four online ambient air quality monitoring (AAQM) station are established.
7	To operate the existing pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect. Compliance report in this regard be submitted to CPCB / SPCB every three months.	Separate logbook is maintained for each pollution control equipments like ESP, Bag House, Bag Filter etc. We are submitting the record of pollution control equipments to SPCB on monthly basis. As per the requirement, we carry out performance study of different pollution control equipments and accordingly necessary changes, if required, are done to run the equipment efficiently.
8	To implement the recommendations of Life Cycle Assessment (LCA) study sponsored by MoEF by December 2003.	We have taken necessary corrective measures to make the entire process efficient with optimal utilization of resources & minimal waste generation. In this regard, I. We are using hot gases for the generation of power through Waste Heat Recovery Boilers (WHRB). II. The char generated from Sponge Iron Plant is used in CPP Boilers for Power generation, as fuel. III. We are utilizing coal fines in the process after making the briquettes. IV. We have adopted metal recovery process from the slag in Induction Furnace Division (IFD) and Submerge Arc Furnace (SAF) which is minimizing resources depletions. V. Fly ash is being used for beneficial applications like Bricks / Blocks manufacturing & in various concrete applications. VI. We have installed Sewage effluent treatment plant (STP) for the treatment of domestic effluent. Treated effluent from STP is used in plantation & horticultural purposes. VII. We have also established Effluent treatment plant (ETP) for the treatment of

Prakash Industries Ltd. Champa (C.G.)

		industrial waste water. Treated effluent is being reused in road cleaning, water sprinkling, dust suppression, moisturisation in pug mill etc. VIII. We have implemented Rainwater harvesting system in open area of the plant for conservation of rain water for utilization in different applications of the plant and for recharging the ground water.
9	The industry will initiate the steps to adopt the following clean technologies/measures to improve the performance of industry towards production, energy and environment.	
	• Energy recovery of top Blast Furnace (BF) gas.	Not Applicable
	• Use of Tar-free runner linings.	Not Applicable
	• De-dusting of Cast House at tap holes, runners, skimmers, ladle and charging points.	We have provided fume extraction system/ de-dusting system to control dust and harmful gases.
	• Suppression of fugitive emissions using nitrogen gas or other inert gas.	Compliance assured.
	• To study the possibility of slag and fly ash transportation back to the abandoned mines, to fill up the cavities through empty railway wagons while they return back to the mines and its implementation.	We are sending fly ash to the permitted abandoned mines.
	• Processing of the waste containing flux & ferrous wastes through waste recycling plant.	Not Applicable
	▪ To implement rainwater harvesting.	We have already implemented rainwater-harvesting system in vacant land area of the plant and roof water harvesting in colony area.
	▪ **Reduction of Green House Gases by:**	
	▪ Reduction in power consumption	Time to time, we are conducting Energy Audit and various steps are taking for promotion of reduction of power consumption. Also we are conducting training programmes to educate the employees for reduction of power consumption. ISO 50001 Energy management system is awarded to the company.
	▪ Use of by-products gases for power generation.	We have already installed Six Waste heat recovery boilers, out of which we are generating 75 MW power.
	▪ Promotion of Energy Optimization Technology including energy audit.	Time to time, we are conducting Energy Audit from external agency and various steps are being taken for promotion of energy

Prakash Industries Ltd. Champa (C.G.)

		optimization. ISO 50001 Energy management system is awarded to our company.
	▪ To set targets for Resource Conservation such as Raw material, energy and water consumption to match International Standards.	The company has also been awarded ISO 9001, ISO 14001, ISO 45001 and ISO 50001 and we are committed to conserve natural resources.
	▪ Up-gradation in the monitoring and analysis facilities for air and water pollutants. Also to impart elaborate training to the manpower so that realistic data is obtained in the environmental monitoring laboratories.	We have established separate Environment, Health & Safety Department, headed by eminent Environmentalist. In the same department separate environmental laboratory has also been established. We have installed latest equipments in the laboratory for monitoring and analysis for air and water pollutants like BOD incubator, Oven, pH meter, Water bath, Respirable dust samplers, Stack monitoring kit, Noise level meter, Conductivity meter, Turbidity meter, Lux Meter, Gas Analyzer, Ambient Air Analyzer etc. We are providing periodic training regarding environmental awareness from top to bottom level management. Simultaneously, we also provide training to the persons of EHS Department for effective monitoring and analysis.
	▪ To improve overall housekeeping.	To improve overall housekeeping some of the steps are already taken such as: - Water sprinklers are provided for dust suppression on both sides of the roads. - Roads made pucca by concrete or with the help of fly ash bricks/blocks. - We have planted 10,000 trees during monsoon of year 2024. - Water sprinkling through water tanker in raw material storage area and in internal roads where sprinklers are not installed. - Automatic sweeping machine has been provided for road cleaning purpose. - Day to day manual road sweeping and trenches cleaning are also in practice. - 5 S systems have been introduced for better housekeeping. - Total plant area divided into 14 Nos of Zones and Zone leaders are nominated for each Zones; further rewards system has also been introduced for best housekeeping zone.
10	**Sponge Iron Plants** Inventorization of sponge iron plants to be completed by SPCBs/CPCB by June 2003 and units will be asked to install proper air pollution control equipment by December 2003 to control primary and secondary emissions.	We have set up the state-of-the art sponge iron plant with waste heat recovery boilers. In plant all Pollution generating points are connected with pollution control equipment like Electrostatic Precipitators (ESPs), Bag House, Dust Suppression system, Fume Extraction System, Sprinklers etc.

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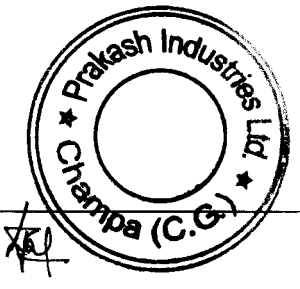
Prakash Industries Limited, Champa

CREP – THERMAL POWER PLANT

Sl. No.	Description	Status
1	Implementation of Environmental Standards (Emission & Effluent) in non-compliant* Power plants (31 & 27). - Submission of action plan: June 30, 2003. - Placement of order for pollution control equipment: September, 2003. - Installation & commission: December 31, 2005.	We are complying all environmental standards in our captive power plant.
2	For existing Thermal power plants, a feasibility study shall be carried out by Central Electricity Authority (CEA) to examine possibility to reduce the particulate emissions to 100 mg/Nm^3. The studies shall also suggest the road map to meet 100 mg/Nm^3 wherever found feasible. CEA shall submit report by March 2004.	As per study report, actions have been complied, we are maintaining emission level below 50 mg/Nm^3.
3	New/expansion power projects to be accorded environmental clearance on or after 1.04.2003 shall meet the limit of 100 mg/Nm^3 for particulate matter.	We have commissioned 162.5 MW captive power plants based on fluidized bed boiler. In these units, we have installed ESPs (7 no.) with efficiency of more than 99.8 % to achieve the prescribed standard below 50 mg/Nm^3.
4	Development of SO_2 & NO_x emission standards for coal based plants by December 2003. - New/expansion power projects shall meet the limit of SO_2 & NO_x w. e. f. 1.1.2005. - Existing power plants shall meet the limit of SO_2 & NO_x w.e.f. 1.1.2006.	We have provided appropriate stack height as per the guidelines and achieving the prescribed standard.
5	Install/activate Opacity meters/continuous monitoring systems in all the units by December 31, 2004 with proper calibration system.	We have already installed continuous stack monitoring system, gas analyzers & Mercury analyzers with proper calibration in all units.
6	Development of guidelines/standards for mercury and other toxic heavy metals by December 2003.	We have already installed continuous Mercury analyzers (monitoring system) with proper calibration in all units.
7	Review of stack height requirement and guidelines for power plants based on micro meteorological data by June 2003.	Stack Height $H = 14 (Q)^{0.3}$ Where H = Stack Height Q = Emission rate of SO_2 in kg/hr. Based on this formula stack height should be required to be 59 Mtr (12.5 MW power plant) and 80 Mtr. (50 MW power plant) for our existing power plants, where as we have provided stack height 61 mtr & 80 mtr respectively.
8	Implementation of use of beneficiated coal as per GOI notification. Power plant will sign fuel supply agreement (FSA) to meet the requirement as per the matrix prepared by CEA for compliance of the notification as shot term measure. Options/mechanism for setting up of coal washeries as a long-term measure. • Coal India will set up its own washery. • State Electricity Board to set up its own washery.	We have signed Fuel Supply Agreement with Coal India Ltd., for coal linkages.



	• Coal India to ask private entrepreneurs to set up washeries for CIL and taking washing charges.	
9	Power plants will indicate their requirement of abandoned coalmines for ash disposal & Coal India/MOC shall provide the list of abandoned mines by June 2003 to CEA.	We asked for the list of abandoned mines from Mining Division, Distt. Janjgir – Champa. Assistant Mining Officer has provided us the list of abandoned mines in District Janjgir- Champa. Based on the generation & utilization of fly ash, we are obtaining approval for disposal of fly ash in abandoned mines. Details of fly ash utilization are attached herewith as **Annexure – IV.**
10	Power plants will provide dry ash to the users outside the premises or uninterrupted access to the users within six months.	We have installed Silo for dry ash storage and providing dry ash to the users outside the plant premises.
11	Power plants should provide dry fly ash free of cost to the users.	We are providing dry fly ash free of cost.
12	State PWDs/construction & development agencies shall also adhere to the specifications/Schedules of CPWD for ash/ash based products utilization. MOEF will take up the matter with state Governments.	We are ready to give fly ash free of cost to state PWDs / construction & development agency. But till date we have not noticed any enforcement from the State Govt. or Central Govt. to the Govt. agency for use of fly ash/ash based products however we are utilizing fly ash for back filling of mines.
13	(i) New plants to be accorded environmental clearance on or after 1.04.2003 shall adopt dry fly ash extraction or dry disposal system or medium (35-40%) ash concentration slurry disposal system or Lean phase with hundred percent ash where re-circulation system depending up on site specific environmental situation. (ii) Existing plants shall adopt any of the systems mentioned in (i) by December 2004.	We have already provided dry fly ash disposal system (Pneumatic Ash Conveying Line).
14	Fly ash mission shall prepare guidelines/manuals for fly ash utilization by March 2004.	We are utilizing fly ash as per the norms sets by the authorities.
15	New plants shall promote adoption of clean coal and clean power generation technologies.	Clean power generation technology is adopted.

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ANNEXURE – VII

DETAILS OF CORPORATE SOCIAL RESPONSIBILITY EXPENSES

Sl. No.	For the period of April – 2024 to September – 2024	
	Details of important work done at site (Panchayat/Villages) etc	**Expenses in lacs**
1	Drinking Water Facility	0.82
2	Promotion of education	103.96
3	Health care	92.47
4	Environmental awareness- Plantation and water conservation	0.64
5	Miscellaneous (Infrastructure development, expenses reference to cultural programe, welfare & social causes etc.)	31.19
	Total >>>>>	**229.08**

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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,
PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO.	UES/TR/24-25/03046
LAB REF NO.	UES/24-25/N/05204-05236
DATE OF REPORT	27/08/2024
DATE OF MONITORING	21/08/2024 to 23/08/2024

SAMPLE DETAILS

Monitoring For	Ambient Noise Level Monitoring
Customer Ref. No.	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Sampling Location	Mentioned Below
Sample Collected By	Laboratory Chemist
Sampling Procedure	Manufacturer's Instruction

REPORT NO. 03046

TEST REPORT

Sr. No.	LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
			DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
1	Nr. R.M.P. Office (Kiln-1,2&3)	dB(A)	67.1	58.1	75	
2	Nr. Control Room of Kiln- 1&2	dB(A)	70.2	62.2		
3	Nr. Control Room of Kiln-3	dB(A)	68.5	61.8		
4	Nr. Bag House area of Kiln- 1&2	dB(A)	68.2	60.2		
5	Nr. Bag House area of Kiln- 3	dB(A)	69.5	62.6		
6	Nr. Control room of Kiln- 4&5	dB(A)	70.6	61.5		
7	Nr. Bag House area of Kiln- 4&5	dB(A)	68.1	61.5		
8	Nr. R.M.P. Office of Kiln-4,5,6	dB(A)	70.2	62.5		
9	Nr. Control room of Kiln- 6	dB(A)	65.2	57.1		
10	Nr. Bag House area of Kiln- 6	dB(A)	67.5	59.6		
11	Nr. Cooling Tower of WHRB- 1,2&3	dB(A)	69.5	61.5		
12	Nr. Control Room of WHRB- 3	dB(A)	67.1	58.2		
13	Cooling Tower of FBB-2&3	dB(A)	71.4	63.7		
14	Nr. Cooling Tower of FBB-4&5	dB(A)	71.4	63.5		
15	Nr. Cooling Tower of FBB-6&7	dB(A)	69.5	62.6		
16	Nr. Bag House Area of SAF- 1&2	dB(A)	73.1	65.8		

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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,
PRAKASH INDUSTRIES LIMITED
CHAMPA – 495671, DISTT.- JANJGIR
CHAMPA CHHATTISGARH

REPORT NO.	UES/TR/24-25/03047
LAB REF NO.	UES/24-25/N/05237-05274
DATE OF REPORT	27/08/2024
DATE OF MONITORING	21/08/2024 to 23/08/2024

SAMPLE DETAILS

Monitoring For	Workplace Noise Level Monitoring
Customer Ref. No.	PIL/ENV/ULTIMATE/2023-24/836, Dated:16.11.2023
Sampling Location	Mentioned Below
Sample Collected By	Laboratory Chemist
Sampling Procedure	Manufacturer's Instruction

REPORT NO. 03047

TEST REPORT

Sr. No.	LOCATION	UNIT	RESULT DB(A)		LIMIT	
			DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
1	Compressor Room of Kiln- 1&2	dB(A)	81.1	73.4		
2	Compressor Room of Kiln-3	dB(A)	82.6	75.2		
3	DG Set- Kiln- 4,5&6	dB(A)	67.5	59.2		
4	Nr. Ground Hopper (Raw Material) of Kiln- 4,5,6	dB(A)	68.1	60.2		
5	Nr. Compressor Room of Kiln-4&5	dB(A)	81.4	73.4		
6	Nr. Compressor Room of Kiln-6	dB(A)	80.2	72.7		
7	DG Set – Kiln-1,2,3 & FBB-1	dB(A)	70.3	62.5		
8	T.G. Room of WHRB- 1&2	dB(A)	80.2	71.5		
9	Nr. T.G. Area FBB-1	dB(A)	82.6	74.1	85	
10	T.G. Room of FBB-2&3	dB(A)	81.5	73.5		
11	Compressor Room of FBB- 2&3	dB(A)	79.6	72.6		
12	DG Set – FBB- 2&3	dB(A)	69.5	60.2		
13	T.G. Room of FBB- 4&5	dB(A)	78.1	71.4		
14	T.G. Room of FBB- 6&7	dB(A)	80.4	73.5		
15	Compressor Room of FBB- 4,5,6&7	dB(A)	82.7	74.1		
16	Coal Handling plant of FBB- 4,5,6&7	dB(A)	68.1	61.1		
17	DG Set – FBB – 4,5,6&7	dB(A)	70.2	62.5		
18	IFD – Shed – 1 Furnace Area	dB(A)	68.1	60.8		

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Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

REPORT NO. 03046

TEST REPORT

Sr. No.	LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
			DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
17	Nr. Bag House Area of SAF- 3&4	dB(A)	71.4	63.7		
18	Nr. Bag House Area of SAF- 5&6	dB(A)	72.2	65.2		
19	Nr. Bag House Area of SAF- 7	dB(A)	71.7	63.7		
20	Nr. Bag House Area of SAF- 8&9	dB(A)	68.8	61.5		
21	Nr. Pump House & New. Engg. Office	dB(A)	68.1	60.2		
22	Nr. Central Work Shop	dB(A)	71.4	63.5		
23	Nr. Engg. Office	dB(A)	67.4	58.1		
24	Nr. Hanuman Temple	dB(A)	70.2	62.7		
25	Nr. AAQM No- 1	dB(A)	66.1	59.6		
26	Nr. AAQM No- 2	dB(A)	63.4	56.3		
27	Nr. AAQM No- 3	dB(A)	67.4	60.2		
28	Nr. AAQM No- 4	dB(A)	65.2	59.1		
29	Nr. Plant Gate	dB(A)	67.7	59.4		
30	Nr. Main Gate (Old)	dB(A)	69.4	62.7		
31	Nr. Main Gate (New)	dB(A)	68.1	60.2		
32	Nr. Hazardous Waste shed area	dB(A)	65.1	57.1		
33	At Colony Square	dB(A)	64.2	55.1		

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- *The use of the report for publication, arbitration or as legal dispute is forbidden.*
- *Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.*
- *This is for information as the party has asked for above test(s) only.*

27/08/24
REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS
27/08/24
AUTHORIZED SIGNATOR

----------*Ends of the test report*----------

Prakash Industries Ltd. Champa (C.G.)

Ultimate
ENVIROLYTICAL SOLUTIONS

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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 I Email : ultimatenviro@gmail.com

REPORT NO. 03047

TEST REPORT

Sr. No.	LOCATION	UNIT	RESULT DB(A)		LIMIT	
			DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
19	IFD – Shed – 2 Furnace Area	dB(A)	70.2	61.8		
20	IFD – Shed – 3 Furnace Area	dB(A)	71.4	63.5		
21	IFD – Shed – 4 Furnace Area	dB(A)	68.1	59.2		
22	IFD – Shed – 5 Furnace Area	dB(A)	69.5	61.7		
23	IFD – Shed – 6 Furnace Area	dB(A)	71.5	63.7		
24	IFD – Shed – 7 Furnace Area	dB(A)	72.6	65.7		
25	DG Set – IFD – Shed – 1&2 Shed – 7	dB(A)	68.1	61.5		
26	DG Set – IFD - Shed – 3	dB(A)	70.2	62.7		
27	DG Set – IFD - Shed – 4,5 & Shed – 6	dB(A)	69.2	61.7		
28	Oxygen Plant Area	dB(A)	81.5	72.4	85	
29	Nr. Furnace Area of SAF- 1&2	dB(A)	72.6	63.4		
30	Nr. Furnace Area of SAF- 3&4	dB(A)	70.2	62.7		
31	Nr. Furnace Area of SAF- 5&6	dB(A)	73.4	65.8		
32	Nr. Furnace Area of SAF- 7	dB(A)	69.8	62.8		
33	Nr. Furnace Area of SAF- 8&9	dB(A)	70.7	62.4		
34	DG Set – SAF- 1 to 9	dB(A)	68.1	59.9		
35	Sinter Plant Area	dB(A)	64.4	57.2		
36	Pump House Compressor Room	dB(A)	80.2	72.4		
37	DG Set – Nr. Central Store	dB(A)	69.5	62.1		
38	Nr. S.T.P.	dB(A)	72.6	64.6		

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

20/9/24

27/08/24

REVIEWED BY

AUTHORIZED SIGNATORY

Ends of the test report

Prakash Industries Ltd. Champa (C.G.)

Prakash Industries Limited Champa

PRE-EMPLOYMENT & PERIODIC MEDICAL EXAMINATION REPORT - FORM 21

Date : 04-May-24 **DT.Prev:** 13-May-23 **DOJ :** 11-Aug-09 **X_ray:** 2022 **M_ID :** MC24Y00565

Employee's Name : SURENDRA KUMAR **Desn.:** ENGINEER **Age :** 36 **Sex :** M

Code No . S2559 **Division/Section :** SID - PRODUCTION **Intercom/Mob:** 0

(1).GENERAL EXEMINATION :

HEIGHT :	168 CM	THROAT :	CLEAN	THYROID :	NONPALPABLE
WEIGHT :	68 KG	TONGUE :	CLEAN	LYMPH NODES :	NP
BMI :	24.09 kg/m^2	TONSILS :	NORMAL	ADDITIONAL FINDINGS :	NAD
CHEST: INSPIRATION :	102 CM	TEETH :	CLEAN		
EXPIRATION :	97 CM	GUM :	CLEAN		
BUILT :	STRONG				

(2).CARDIO-VASCULAR SYSTEM:

PULSE : 78 MIN.REGULAR **MURMUR IF ANY :**

B.P : 120/60 mmHg **ADDITIONAL FINDINGS ,IF ANY -** NAD

HEART SOUND : S1-S2 Regular

(3).RESPIRATORY SYSTEM :

SHAPE OF CHEST : NORMAL **CHEST MOVEMENT :** NORMAL

TRACHEA : NORMAL **BREATH SOUND :** NORMAL

(4).GASTRO-INTESTINAL SYSTEM :

LIVER : NONPALPABLE **SPLEEN :** NONPALPABLE **ANY ABDOMINAL LUMPS :** NOTFOUND

(5).EXAMINATION OF EYES :

EXTERNAL EXAM. : NAD **SQUINT :** ABSENT

NNYSTAGMUS : NO

COLOUR VISION : NORMAL

INDIVIDUAL COLOUR IDENTIFICATION : NORMAL

DISTANT VISION (WITHOUT GLASS)	RIGHT: 6/6	LEFT: 6/6
DISTANT VISION (WITH GLASS)	RIGHT: 6/	LEFT: 6/
NEAR VISION (WITHOUT GLASS)	RIGHT: N/6	LEFT: N/6
NEAR VISION (WITH GLASS)	RIGHT: N/	LEFT: N/
NIGHT BLINDNESS(NYCTALOPIA)	NO	

(6).EXAMINATION OF EAR, NOSE & THROAT :

EXTERNAL EXAM : NORMAL

(7).GENITO URINARY SYSTEM :

HERNIA : NONPALPABLE **HYDROCELE/VARICOCELE :** NONPALPABLE **CRYPTORICHIDISM :** NO

PHIMOSIS : NO **VARICOS VEINS :** NO SIGN OF STD OTHER EXAMINATION FOR FEMALE :

MENSTRUAL HISTORY OBSTETRIC HISTORY MENARCHE AT ....YRS GRAVIDA PARA

LMP : MENSTRUAL IRREGULARITY, IF ANY

Prakash Industries Ltd. Champa (C.G.)

M_ID : MC24Y0

INVESTIGATIONS

(8).LAB INVESTIGATIONS :

(a).Urine (Routine)

URINE : ALBUMIN : NIL

SUGAR : NIL

(b).Urine (Microscopy):

PUS_CELL: 1-3

RBC:

EPITHELIAL_CELL: 3-4

Others:

(c) Stool (Microscopy):

PUS_CELL:

RBC:

EPITHELIAL_CELL:

Others:

(i) Haemogram:

BLOOD_GROUP:	B
RH_FACTOR:	POSITIVE
HB:	12.7 g/dl
TLC:	4.9 x10 ^(9/L)
RBC:	5.74 x10^ (12/L)
PLATELETS_COUNT:	118 x10^(9/L)
DLC_NEU:	27.6
LYM:	61.9
ESI:	2.5
MON:	7.8
BAS:	0.2

(ii) Lipid Profile:

SERUM_CHOLESTEROL:	168 mg/dl
S-TRIGHLYCERIDES:	354 mg/dl
HDL:	57 mg/dl
LDL:	116 mg/dl

(iii) Hepatic Profile:

SGOT:	87 U/L
SGPT:	87 U/L
ALKALINE PHOSPHATASE:	85 U/L

(iv) Renal Profile:

BLOOD UREA:	19 mg/dl
S/CREATININE:	0.8 mg/dl

(v) Metabolic:

BLOOD_SUGAR_F:	97 mg/dl
BLOOD_SUGAR_PP:	126 mg/dl
S/URICACID:	5.7 mg/dl

(9).OTHER INVESTIGATIONS :

X-Ray Chest(In normal persons once in three years,in case of any abnormality X-Ray can be done at shorter intervals.) NORMAL

ECG(In case of any abnormilaty further tests should be carried out), NORMAL

Ultra Sound Whole abdomen(In normal Persons once in three years in case of any abnormilaty can be done at shorter intervals)

Others :

(10).PULMONARY FUNCTION TEST :

	FVC	FEV1	FVC/FEV1
Predicated	3.59	2.77	81
Measured	4.07	3.81	93.63
% of Predication	113.4	137.5	115.6

Remarks :

(11).AUDIOMETRY EXAMINATION :

PAT Of Both Ears Of Frequency Of 125,250,500.1000,2000,4000,8000 Cycle Per Second

RT :	20.83	DB	LT:	21.66	DB

(12).MEDICAL EXAMINATION OF CANTEEN STAFF :

a-Blood examination for venereal disease androutine blood examination ,
b-Stool and urine Exemination for worm Infection,
c-Screening of skin diesease(scabies and others)
d-X-Ray and other tests for T.B.

(13). Details of Other specific medical examination carried out as mentioned in the respective schedules of r 107 of C.G. factories rules 1962 -

Signature (with date) of Factory Medical Officer

Prakash Industries Ltd. Champa (C.G.)

S5070

Lab Entry By

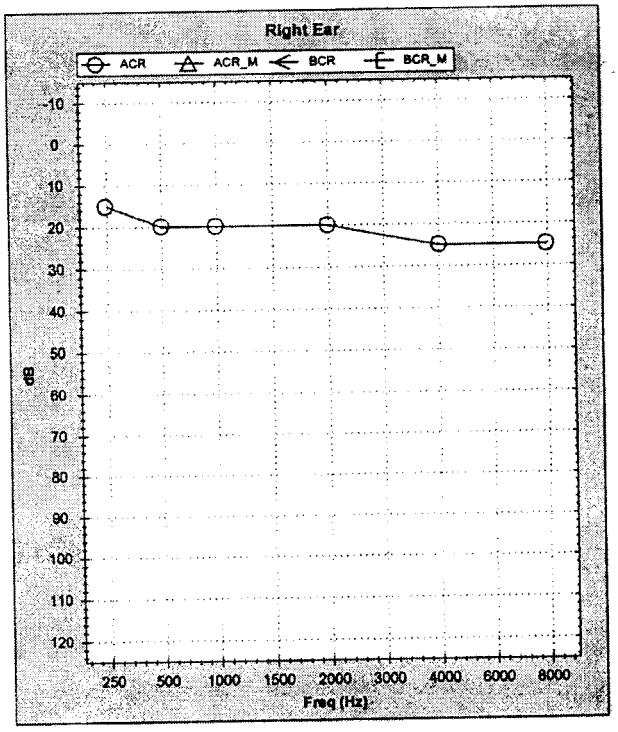
Audiometric Evaluation Report

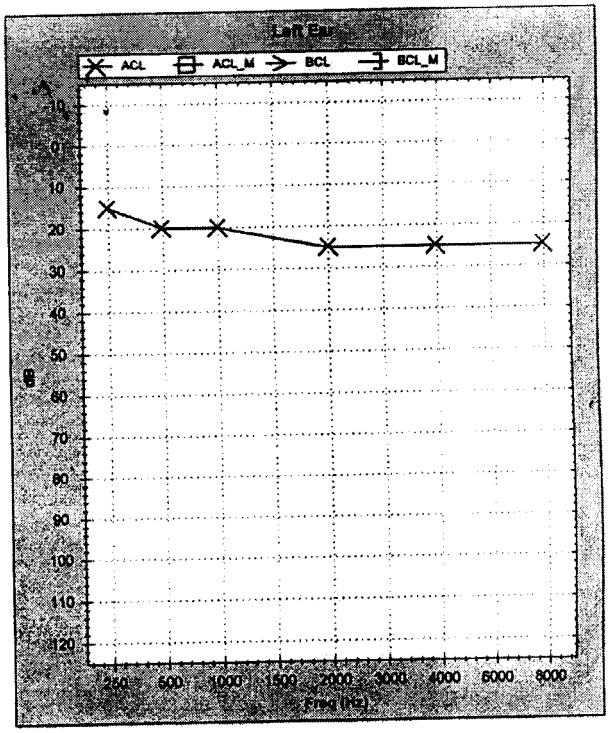
Patient:	Audiometry conducted by:
Surendra kumar 24022559 Male 36 Years 8 Months Session Date : 5/4/2024 3:34:44 PM	OHC - PRAKASH INDUSTRIES LIMITED CHAMPA CHHATTISGARH

Comments:

Rt 20.83db
lt 21.66db

Authorized Signatory





Prakash Industries Ltd.
Champa (C.G.)

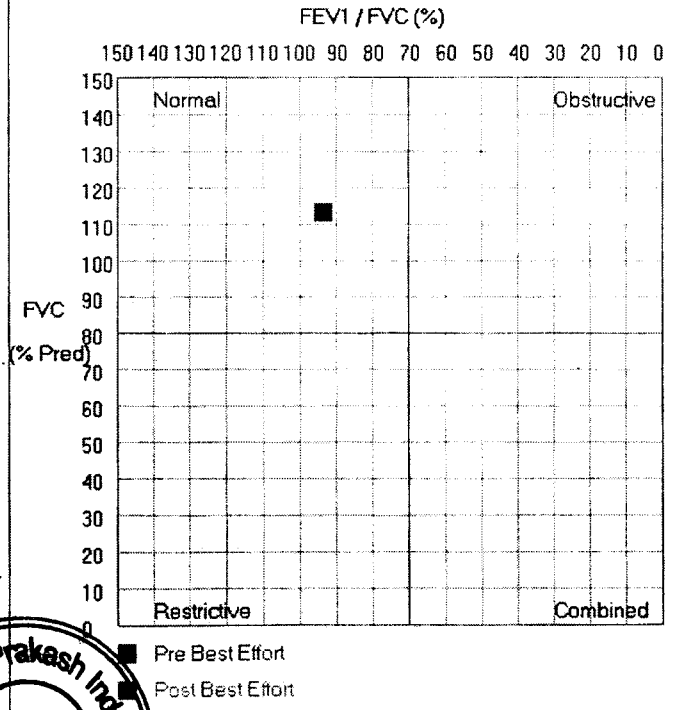
PRAKASH INDUSTRI LTD

Measurements And Interpretation Report

SURENDRA KUMAR (36 M) | ID: S2559 | Date: 5/4/2024 Time: 3:17:22 PM | Height: 168 cms Weight: 68 Kgs | Ethnic: Asian Norm: Indian

Clinical History :

Medications :



			Pre				
	Params	Pred	Best Effort	Effort 2	Effort 3	Best Value	% Pred
FVC	FVC (L)	3.59	4.07	1.75	6.13	6.13	113.4
	FEV 0.5 (L)	—	2.07	0	0.32	2.07	—
	FEV 1.0 (L)	2.77	3.81	0	0.71	3.81	137.5
	FEV 3.0 (L)	3.35	0	0	0	0	0.0
	FEV 0.5 / FVC (%)	—	50.73	0	5.24	50.73	—
	FEV 1.0 / FVC (%)	81	93.63	0	11.62	93.63	115.6
	FEV 3.0 / FVC (%)	—	0	0	0	0	—
	FEF 25% - 75% (L/s)	3.05	5.38	6.1	8.32	5.38	176.4
	FEF 75% - 85% (L/s)	—	4.03	5.81	2.69	4.03	—
	FEF 25% (L/s)	—	5.45	5.06	8.95	5.45	—
	FEF 50% (L/s)	3.7	5.31	6.17	9.92	5.31	143.5
	FEF 75% (L/s)	1.44	4.55	5.63	3.57	4.55	316.0
	FEF 0.2 - 1.2 (L/s)	—	4.73	5.42	1.14	4.73	—
	PEF (L/s)	7.4	5.7	6.3	11.46	5.7	77.0
	FMFT (s)	—	0.39	0.15	0.38	0.39	—
	FIVC (L)	—	3.81	0.03	2.76	3.81	—
	FIV1 (L)	—	1.38	0	1.62	1.38	—
	FIV1/FIVC (%)	—	36.14	0	58.72	36.14	—
	FIV1/FVC (%)	—	33.76	0	26.45	33.76	—
	PIF (L/s)	—	1.89	0.35	2.07	1.89	—
	FIF 50% (L/s)	—	1.75	0.35	1.94	1.75	—

Prakash Industries Ltd. Champa (C.G.)

Interpretation :

DR. L K LAGAR

Version: 2.1

Ref. By: DR L K LAGAR

ID: 240225559
SURENDRA KUMAR
Male 36Years
Req. No. :

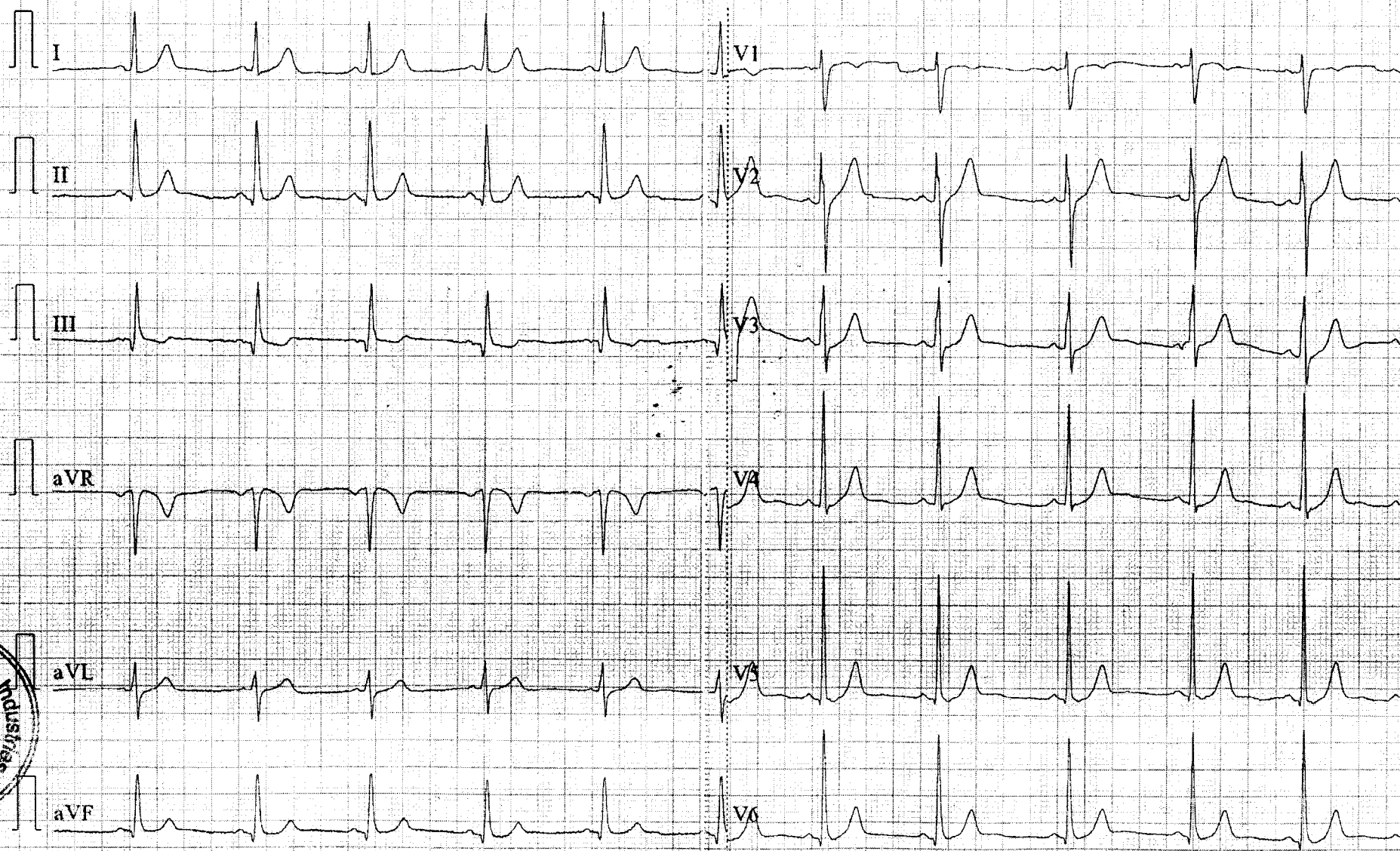
04-05-2024 15:26:59

HR	: 69	bpm
P	: 96	ms
PR	: 118	ms
QRS	: 100	ms
QT/QTcBz	: 370/397	ms
P/QRS/T	: 45/56/33	°
RV5/SV1	: 2.252/0.718	mV

BPL-12

Diagnosis Information:
Sinus rhythm
ST junctional depression is nonspecific
Borderline ECG

Report Confirmed by:



Prakash Industries Ltd. Champa (C.G.)

0.67-100Hz AC50 25mm/s 10mm/mV 2*5.0s CARDIART 910 [redacted]
CARDIART

V1.47 Glasgow V28.6.7 Prakash Industries Limited Champa [redacted]

Prakash Industries Limited Champa

PRE-EMPLOYMENT & PERIODIC MEDICAL EXAMINATION REPORT - FORM 21

Date : 11-Jun-24 DT.Prev: 17-Apr-23 DOJ : 27-Dec-10 X_ray: 2023 M_ID : MC24Y01369

Employee's Name : ARJUN KUMAR PATRA Desn.: PLUMBER Age : 41 Sex : M

Code No . W1939 Division/Section : SID - MECHANICAL Intercom/Mob: 8821000399

(1).GENERAL EXEMINATION :

HEIGHT :	168 CM	THROAT :	CLEAN	THYROID :	NONPALPABLE
WEIGHT :	58 KG	TONGUE :	CLEAN	LYMPH NODES :	NP
BMI :	20.55 kg/m^2	TONSILS :	NORMAL	ADDITIONAL FINDINGS :	NAD
CHEST: INSPIRATION :	90 CM	TEETH :	CLEAN		
EXPIRATION :	85 CM	GUM :	CLEAN		
BUILT :	AVERAGE				

(2).CARDIO-VASCULAR SYSTEM:

PULSE : 90 MIN.REGULAR MURMUR IF ANY : NO

B.P : 120/70 mmHg ADDITIONAL FINDINGS ,IF ANY - NAD

HEART SOUND : S1-S2 Regular

(3).RESPIRATORY SYSTEM :

SHAPE OF CHEST : NORMAL CHEST MOVEMENT : NORMAL

TRACHEA : NORMAL BREATH SOUND : NORMAL

(4).GASTRO-INTESTINAL SYSTEM :

LIVER : NONPALPABLE SPLEEN : NONPALPABLE ANY ABDOMINAL LUMPS : NOTFOUND

(5).EXAMINATION OF EYES :

EXTERNAL EXAM. : NAD SQUINT : ABSENT

NNYSTAGMUS : NO

COLOUR VISION : NORMAL

INDIVIDUAL COLOUR IDENTIFICATION : NORMAL

DISTANT VISION (WITHOUT GLASS)	RIGHT: 6/6	LEFT: 6/6
DISTANT VISION (WITH GLASS)	RIGHT: 6/	LEFT: 6/
NEAR VISION (WITHOUT GLASS)	RIGHT: N/6	LEFT: N/9
NEAR VISION (WITH GLASS)	RIGHT: N/	LEFT: N/
NIGHT BLINDNESS(NYCTALOPIA)	NO	

(6).EXAMINATION OF EAR, NOSE & THROAT :

EXTERNAL EXAM : NORMAL

(7).GENITO URINARY SYSTEM :

HERNIA : NONPALPABLE HYDROCELE/VARICOCELE : NONPALPABLE CRYPTORICHIDISM : NO

PHIMOSIS : NO VARICOS VEINS : NO SIGN OF STD OTHER EXAMINATION FOR FEMALE :

MENSTRUAL HISTORY OBSTETRIC HISTORY MENARCHE AT ....YRS GRAVIDA PARA

LMP : MENSTRUAL IRREGULARITY, IF ANY

BALA
Checked By

Prakash Industries Ltd. Champa (C.G.)

Arjun Patra
Employee Signature

INVESTIGATIONS

M_ID : MC24Y01369

(8).LAB INVESTIGATIONS :

(a).Urine (Routine)

URINE : ALBUMIN : NIL

SUGAR : NIL

(b).Urine (Microscopy):

PUS_CELL: 1-2

RBC:

EPITHELIAL_CELL: 0-2

Others:

(c) Stool (Microscopy):

PUS_CELL:

RBC:

EPITHELIAL_CELL:

Others:

(I) Haemogram:

BLOOD_GROUP:	B
RH_FACTOR:	POSITIVE
HB:	12.6 g/dl
TLC:	5.6 x10^(3/uL)
RBC:	4.17 x10^ (12/L)
PLATELETS_COUNT:	159 x10^(9/L)
DLC_NEU:	57.3
LYM:	34.6
ESI:	4.0
MON:	3.8
BAS:	0.3

(ii) Lipid Profile:

SERUM_CHOLESTEROL:	192 mg/dl
S-TRIGHLYCERIDES:	237 mg/dl
HDL:	38 mg/dl
LDL:	102 mg/dl

(iii) Hepatic Profile:

SGOT:	21 U/L
SGPT:	29 U/L
ALKALINE PHOSPHATASE:	62 U/L

(iv) Renal Profile:

BLOOD UREA:	21 mg/dl
S/CREATININE:	1.0 mg/dl

(v) Metabolic :

BLOOD_SUGAR_F:	128 mg/dl
BLOOD_SUGAR_PP:	160 mg/dl
S/URICACID:	6.7 mg/dl

(9).OTHER INVESTIGATIONS :

X-Ray Chest(In normal persons once in three years,in case of any abnormality X-Ray can be done at shorter intervals.) NORMAL

ECG(In case of any abnormilaty further tests should be carried out), NORMAL

Ultra Sound Whole abdomen(In normal Persons once in three years in case of any abnormilaty can be done at shorter intervals)

Others :

(10).PULMONARY FUNCTION TEST :

	FVC	FEV1	FVC/FEV1
Predicated	3.34	2.73	81.80
Measured	2.84	2.53	89.02
% of Predication	85	93	109

Remarks :

(11).AUDIOMETRY EXAMINATION :

PAT Of Both Ears Of Frequency Of 125,250,500.1000,2000,4000,8000 Cycle Per Second

RT :	17.5	DB	LT:	20.83	DB

(12).MEDICAL EXAMINATION OF CANTEEN STAFF :

a-Blood examination for venereal disease androutine blood examination ,
b-Stool and urine Exemination for worm Infection,
c-Screening of skin diesease(scabies and others)
d-X-Ray and other tests for T.B.

(13). Details of Other specific medical examination carried out as mentioned in the respective schedules of rule 107 of C.G. factories rules 1962 -

Signature (with date) of
Factory Medical Officer

Prakash Industries Ltd. Champa (C.G.)

S3124

Lab Entry By

Clarity

Clarity Medical Pvt. Ltd.

Clarity Medical Pvt. Ltd.

Prakash Industries Imited Champa

W1939 - ARJUN KUMAR PATRA

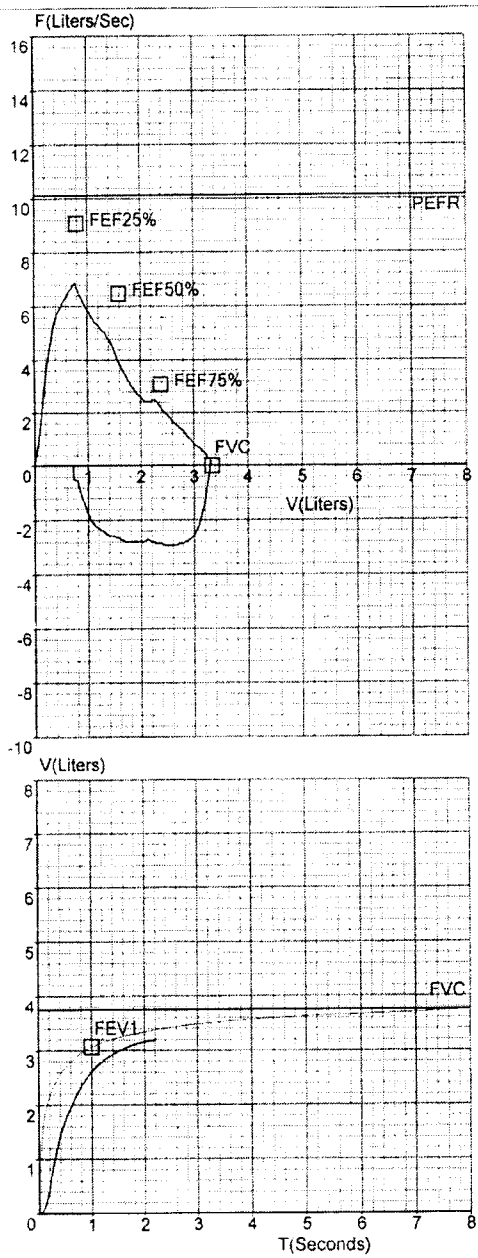
41 Years / Male / Ht 168 Cms /58 Kgs / Non-Smoker

FVC TEST

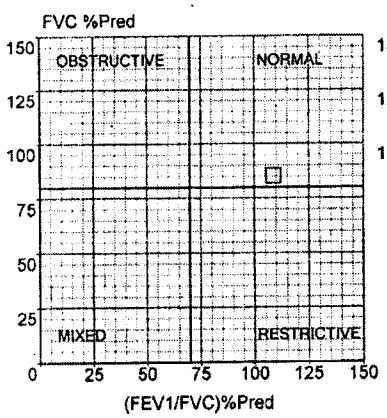
Date: 11-06-2024 (T1)

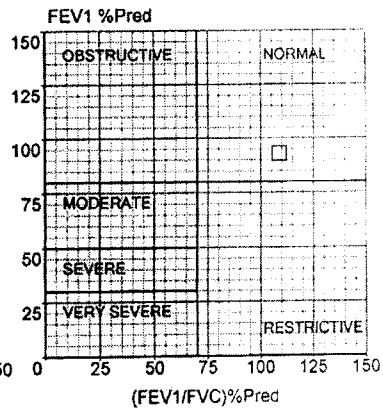
Pred Eqn : CLARITY **Eth.Corr : 100** Temp : 0°C

Ref By : NONE



Parameter		Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.34	2.84	85	--	--	--
FEV1	[L]	2.73	2.53	93	--	--	--
FEV.5	[L]	--	1.90	--	--	--	--
FEV3	[L]	3.24	--	--	--	--	--
FEV6	[L]	--	--	--	--	--	--
PEFR	[L/s]	8.67	5.86	68	--	--	--
FEF25-75	[L/s]	3.86	3.36	87	--	--	--
FEF75-85	[L/s]	--	1.38	--	--	--	--
FEF.2-1.2	[L/s]	6.72	4.77	71	--	--	--
FEF25%	[L/s]	7.79	6.07	78	--	--	--
FEF50%	[L/s]	5.54	3.31	60	--	--	--
FEF75%	[L/s]	2.65	1.68	63	--	--	--
FEV.5/FVC	[%]	--	67.01	--	--	--	--
FEV1/FVC	[%]	81.80	89.02	109	--	--	--
FEV3/FVC	[%]	97.00	--	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--	--
FET	[S]	--	1.85	--	--	--	--
ExplTime	[S]	--	0.21	--	--	--	--
LungAge	[Y]	41.00	44.00	107	--	--	--
FIVC	[L]	--	2.21	--	--	--	--
PIFR	[L/s]	--	2.52	--	--	--	--
FIF25%	[L/s]	--	6.39	--	--	--	--
FIF50%	[L/s]	--	5.05	--	--	--	--
FIF75%	[L/s]	--	2.86	--	--	--	--
FIV.5	[L]	--	0.56	--	--	--	--
FIV1	[L]	--	1.75	--	--	--	--
FIV3	[L]	--	--	--	--	--	--
FIV.5/FIVC	[%]	--	25.43	--	--	--	--
FIV1/FIVC	[%]	--	78.98	--	--	--	--





- Pre Medication Report :

Early Small Airway Obstruction.Spirometery within Normal range as FVC% >= 80 And FEV1/FVC% > 70

- Pre COPD Severity Report:

Pre Test within Normal range

- Doctor's Comments :

Prakash Industries Ltd. Champa (C.G.)

Dr. Lokender Kumar Lagar
M.D.

Note. The results may be clinically correlated.

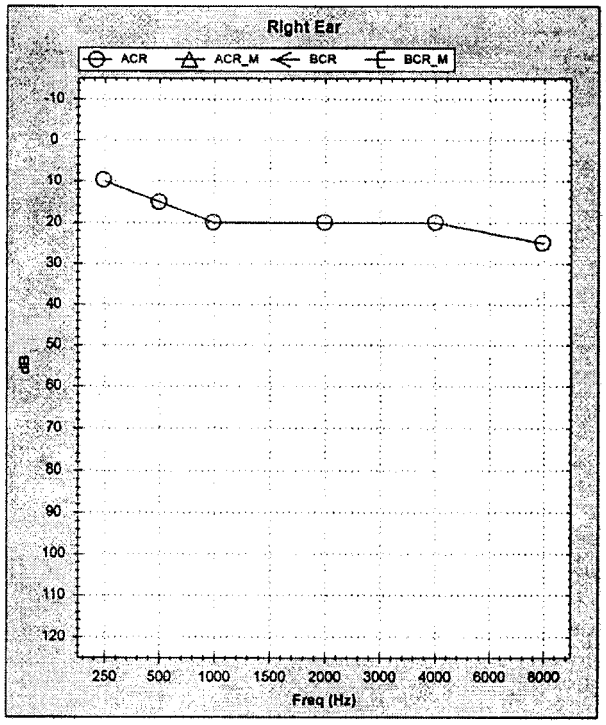
Audiometric Evaluation Report

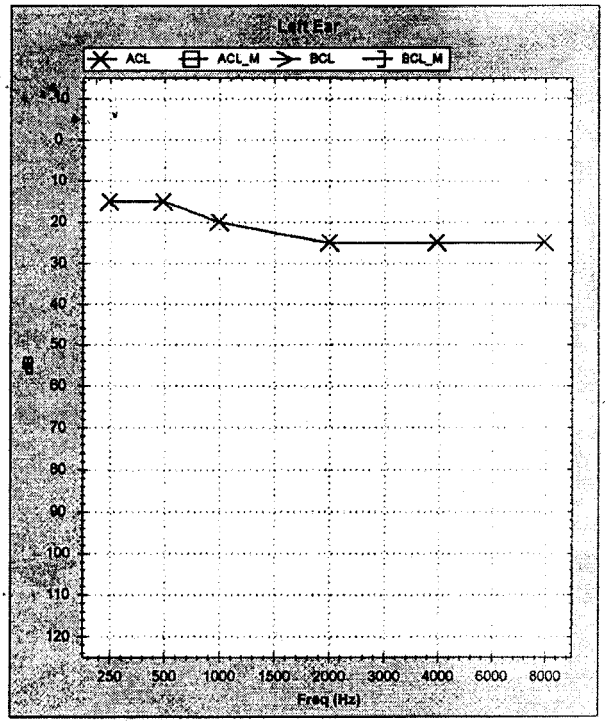
Patient:	Audiometry conducted by:
Arjun kumar patra 24021939 Male 41 Years 9 Months Session Date : 6/11/2024 3:44:01 PM	

Comments:

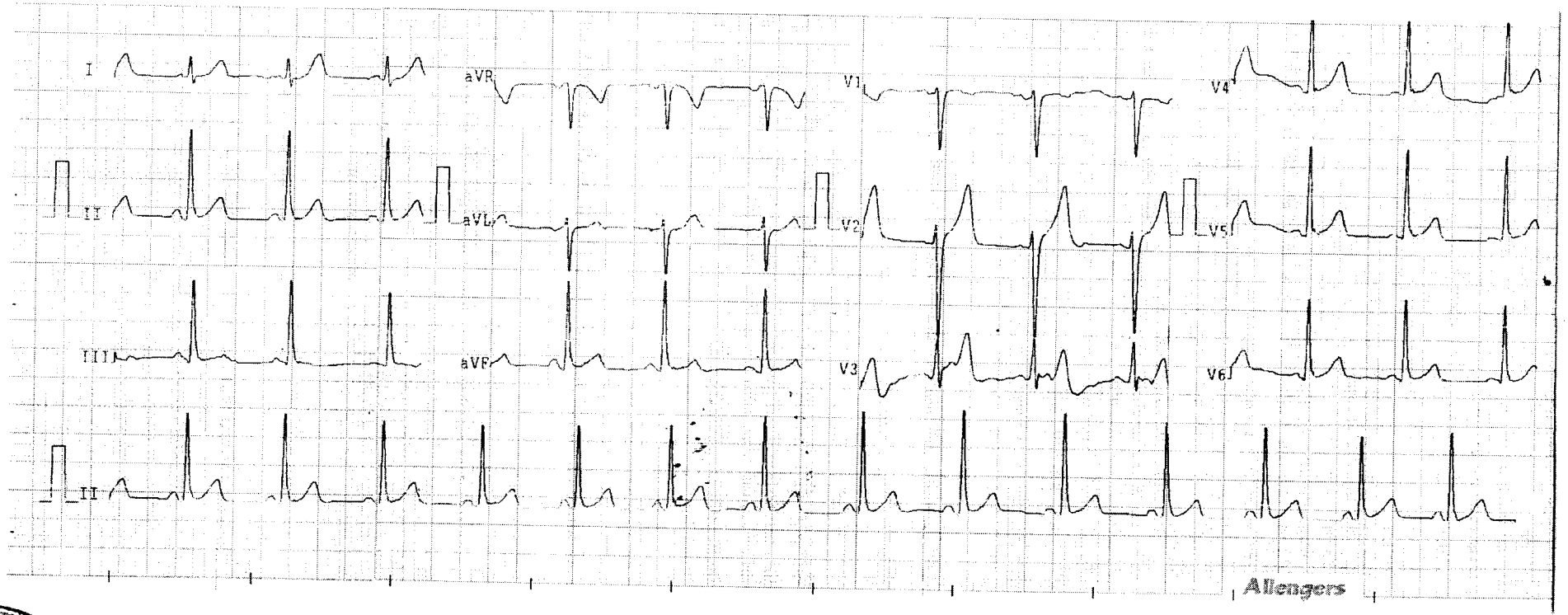
Rt 17.5 db
lt 20.83 db

Authorized Signatory





Prakash Industries Ltd.
Champa (C.G.)



Prakash Industries Ltd. * Chhampa (C.G.) *

Prakash Industries Limited, Champa

ANNEXURE – X

EXPENSES INCURRED FOR ENVIRONMENTAL MANAGEMENT
(For the period of April 2024 to September 2024)

Sl. No.	Details of Measures Taken	Allocated Budget Rs. (Lac)	Expenses in Rs. (Lac)
A.	**Water Pollution Control/Water Management.**		
	Maintenance of sewage treatment plant (STP), Implemented scheme for reuse of treated industrial effluent water (Effluent Treatment Plant) and maintenance of Online Effluent Quality Monitoring System, etc.	47.94	47.94
	(A) Sub total Rs.	**47.94**	**47.94**
B.	**Air Pollution Control/Air Management.**		
	Pollution control systems (Fume extraction System, ESP, Bag Filters, Water sprinkling System, retrofitting, maintenance and installation Work etc.) and Changing of torn out bags of Bag Filters. Maintenance and installation of Online Stack & Ambient Air Quality Monitoring System, etc.	137.17	137.17
	(B) Sub total Rs.	**137.17**	**137.17**
C.	**Solid/Hazardous Waste Management.**		
1	Disposal of Solid Wastes.	578.64	578.64
	(C) Sub total Rs.	**578.64**	**578.64**
D.	**Other Areas.**		
1	Environment Cell.	4.37	4.37
2	Plantation (New Plantation + Maintenance of Existing one).	39.04	39.04
3	Construction of Pucca Roads and drains.	30.98	30.98
4	Housekeeping work.	499.16	499.16
5	Road sweeping machine running and maintenance cost.	2.18	2.18
6	ISO 14001 and ISO 45001 implementation.	0.45	0.45
	(D) Sub total Rs.	**576.18**	**576.18**
	GRAND TOTAL of (A+B+C+D) Rs.	**1339.93**	**1339.93**

Prakash Industries Ltd. Champa (C.G.)

Annexure – XI

Salient features of the existing integrated Steel plant

M/s Prakash Industries Ltd., has set up a state of the art technology integrated steel plant at Champa in the State of Chhattisgarh. The sponge iron Kilns installed at Champa are based on SL/RN technology of Lurgi, Germany, which is the renowned technology in coal based Sponge Iron manufacturing. The Sponge Iron manufactured in the Kilns is being used in house in the Steel Melting Shop to produce high quality Billets and Blooms which are used to manufacture value added finished steel products like Wire Rod/TMT. Thus a fully integrated approach is adopted in the company.

At present, we are operating Sponge Iron Plant, West Heat Recovery Boiler (WHRB) for Co-generation of Power, Coal Based Captive Power Plant, Steel Melting Shop, Ferro alloy, Sinter Plant & Oxygen Plant.

The existing manufacturing facilities have been set up on 601.52 Acres land. River Hasdeo which fulfills the water requirement of the plant flows from North to South East of the area. The buffer zone is a flat terrain. Plant site is at an elevation of 255 mtr. from sea level.

The nearest town is Champa at a distance of 4.0 km & NH 200 is at a distance of 2.0 km from the plant site. The site is well developed and well connected with rail and road network. The nearest airport is at Raipur located at 190 km from the plant site.

There are no monuments of archaeological importance, Defense Installation, National Park, Wild Life Sanctuaries, Tiger Reserve/Elephant corridor, etc. within 10 km radius.

(I) Sponge Iron

To make its mark in the industry, PIL has ventured into activities that led the company to transform into a cohesive Steel and Power producing unit. For this, Prakash Industries Limited is using high quality Iron ore to produce Sponge Iron in the Sponge Iron Kilns for its internal consumption. Besides emphasis on supply of quality products, company has always looked forward to maximize the utilization of its resources. These are the measures that have helped the company to move at faster growth rate with significant reduction in the cost of production.

(II) Power

The company is operating captive power plant using Waste Heat Recovery Boilers and Fluidized Bed Boilers.

(III) Steel Melting Shop:

Company is producing high quality Steel Billets / Blooms in the Steel Melting Shop through Induction furnace route. The prime raw materials used are Sponge Iron, Pig Iron and MS scrap, out of which majority is the Sponge Iron being sourced from the Sponge Iron Kilns of the company. This not only ensures availability of quality sponge iron for the steel operations but also results in cost effective operations. Production of high quality Billets and Blooms through continuous casting methods.

- Value addition through captive consumption of raw materials and integrated operations.
- Continuous improvement in performance and quality with innovations in system and processes.

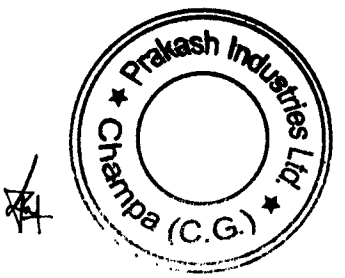
Prakash Industries Ltd. Champa (C.G.)

(IV) Ferro Alloys

As Ferro Alloys are the primary raw materials used for manufacturing steel. Company also forayed into the production of Ferro-Alloys to ensure supply of quality input to its steel operations. In this effort to draw the synergies of a comprehensive set of aligned products, company has set up manufacturing facilities for production of Ferro-Alloys in submerged Arc Furnaces. This not only meets the in-house requirement for steel operation but also generates additional revenues by selling the surplus quantities in the market. The entire power of requirement for the Submerged Arc Furnaces is met from the Captive Power plant of the company.

Details of Products & its capacities are as under :-

Sl. No.	Details of the unit	Installed Capacity
1	DRI (Sponge Iron)	1.2 MTPA
2	Co-Generation Power Plant (WHRB)	75 MW
3	Coal based Power Plant	162.5 MW
4	Steel Melting Shop (Billets / Blooms/ Ingots)	1.25 MTPA
5	Ferro Alloy Plant	9 x 7.5 MVA (115000 TPA)
6	Sinter plant	0.1 MTPA
7	Oxygen plant	8 TPD



Annexure – XII

Salient features of the Environment Management Plans

For administering the environment aspects, an Environment Management Cell (EMC) has been formed. The Cell is headed by senior executive and have 23 members in its team including an Environmental Manager. This team is responsible for all environment management activities including environmental monitoring, developing greenbelt, ensuring good housekeeping, ensuring statutory compliance. To evaluate the effectiveness of environmental management program, regular monitoring of the important environmental parameters are taken up. The schedule, duration and parameters are as per the consent conditions issued by the State Pollution Control Board for 100% compliances.

1. Laboratory Facilities:

A well equipped laboratory has been set up for analyzing Air, Water, Effluents, Solid wastes, Raw materials and other process intermediates.

2. Environmental Management Plan (EMP) - Monitoring Aspects

Air Environment -

- The Ambient Air Quality, Stack Emissions and Fugitive Emissions is monitored and analyzed for Particulate Matter, SO2, NOx, CO, CO2 & O3 in a schedule manner as per directives of State Pollution Control Board and corrective measures is taken.
- Online AAQMS & Online Stack Monitoring facility are installed for continuous monitoring pollution.
- The efficiency of all pollution control devices like ESPs and bag filters has been checked and their operability is ensured on day to day basis.

Water Environment -

- Zero discharge of effluents is ensured.
- The drainage system is checked regularly and clogging, accumulation of sludge and sediments are being removed regularly.
- Performance of Oil & Grease traps, settling ponds, neutralization pits and ETPs are examined on day to day basis.
- Quality of Raw water, Drinking water and Waste water are monitored twice in a month.
- The Ground water monitoring is done every three months in locations around the Plant.

Noise Environment -

- The Noise levels inside the plant are monitored in noise prone areas both in day and night time.
- Noise Protective Appliance like Ear Muffs, Ear Plugs is issued to workmen in noise prone areas and it will be ensured that, they use the same.
- Performance of silencers provided at various vent points is periodically examined and corrective action taken.

Solid Waste –

- Quantity and Characteristics of Solid Wastes is regularly analyzed and their disposal is monitored.
- Fly ash is utilized in Fly Ash Brick manufacturing, Various concrete applications, Road making, Abandoned mine filling as per Fly Ash notification of MoEF dated 14th September 1999 and subsequent amendment.
- The char generated from Sponge Iron Plant is used in CPP Boilers for Power generation.

Prakash Industries Ltd. Champa (C.G.)

3. Environmental Audit:

Quarterly Environmental Audit is being carried out to check for compliance with standards. This is carried out by in-house experts. Third Party Environmental Audits is carried out once in every year.

The directives from the Statutory Authorities and prevailing regulations are govern the periodicity of monitoring.

The action plan of EMP is updated every year with respect to the results achieved and to plan activities for the next year.

4. Green Belt:

From 1991 to December 2009 we had planted approx.1,86,640 saplings and from January 2010 to October 2024 approx. 1,50,000 saplings. Thus, the total number of saplings which we have planted and survived are approx. 3.36 Lacs. During the monsoon of 2024, we have planted approx 10,000 species in the area available in campus.

Year	Number of Trees	Cumulative (Approx.)
Upto December 2009		186640
2010	10000	196640
2011	10000	206640
2012	10000	216640
2013	10000	226640
2014	10000	236640
2015	10000	246640
2016	10000	256640
2017	10000	266640
2018	10000	276640
2019	10000	286640
2020	10000	296640
2021	10000	306640
2022	10000	316640
2023	10000	326640
2024	10000	336640

Details of the species planted in the Premises

Neem, Guava, Bakool, Sisso, Gulmohar, Bogan Velia ,Ashoka, Kachanar, Australian Babool, Ber, Mango, Karanj, Sagun, Arjun, Subabool, Siras, Khamar, Peltaforam, Bakayan, Nilgiri, Kaner, Imali, Jetropha, Bans, Paras, Pipal, Amla, Jamun, etc. This monsoon i.e. 2023 we have also taken up Plantation of 10000 species in Plant Premises.

Prakash Industries Ltd. Champa (C.G.)

5. Training of Man Power:

Training is imparted for safe operation and maintenance of the Plant. Safe operating & maintenance manuals are provided to concerned personnel. Personal Protective Equipment (PPE's) i.e. safety shoe, safety googles, nose mask, hand gloves, ear plug, poster, banners, display boards, safety symbols are also provided to all employees.

6. Occupational Health:

To ensure proper health of the working personnel, regular health checkup is being carried out as per provision of Factories Act. Proper housekeeping of the shop floors is maintained. Firefighting equipments and other safety appliances are tested regularly to ensure full serviceability. Training of employees for use of safety appliances and First Aid is imparted. Separate Wing with adequate knowledge of industrial hygiene is constantly checked for any occupational disease.