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/2024/962 **Date : 21.05.2024**

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 October 2023 to March 2024.

We hope you will find the above in order.

Thanking you,

Yours faithfully,
For PRAKASH INDUSTRIES LIMITED,

21/5/2024

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

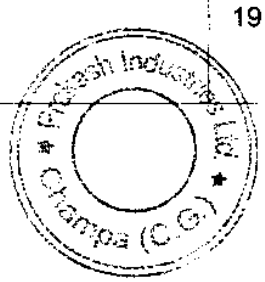
MONITORING REPORT
PART – I
DATA SHEET

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°00' 16.74"N, Longitude: 82°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	168 Acres
	d. Green belt area	230 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.

	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.	The capital cost of the existing plant (Integrated Steel Plant) as on 31-03-2024 is 4775 Crores (Sponge Iron, West Heat Recovery Boiler, Captive Power Plant, Steel Manufacturing, Sinter Plant, Oxygen Plant & Submerged Arc Furnace Division).
	b) Allocation made for environmental management plans with item wise and year wise break-up	The cost of environmental protection measures would be an annual recurring cost of Rs. 20.0 Cr.
	c) Benefit cost ratio/Internal rate of Return and the year of assessment	IRR 10%, Assessment year – 2008.
	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	----
10	Forest land requirement:	
	a) The status of approval for diversion of forest land for non-forestry use	The Plant has setup on existing Government Revenue land of 601.52 Acres. No Forest land is required.
	b) The status of clearing felling	Not Applicable.
	c) The status of compensatory afforestation programme in the light of actual field experience	Not Applicable.
	d) Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	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 &	2.0 LTPA &	01-11-1993

	WHRB–1	12.5 MW	
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

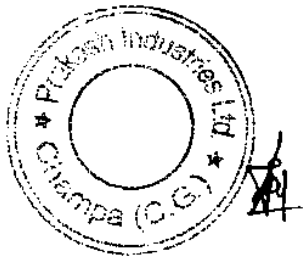


	Total = Steel Manufacturing – 12.50 LTPA (From 35 Nos Induction Furnaces)	
20	SAF – 1	7500 KVA 22-11-2004
21	SAF – 2	7500 KVA 11-02-2005
22	SAF – 3	7500 KVA 20-07-2005
23	SAF – 4	7500 KVA 18-10-2008
24	SAF – 5	7500 KVA 21-06-2013
25	SAF – 6	7500 KVA 21-06-2013
26	SAF – 7	7500 KVA 04-03-2015
27	SAF – 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 Reports 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 Reports Submitted) PIL/EHS/ENV/MoEF&CC/2022/440 dtd. 03.05.2022, (Six Monthly Compliance Reports 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/

Pioneer Industries Ltd. Dharamjaigarh (C.G.)

		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 Reports Submitted)
		Our letter. PIL/EHS/ENV/MoEF&CC/2023/828 dtd. 03.11.2023, (Six Monthly Compliance Reports Submitted)



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.

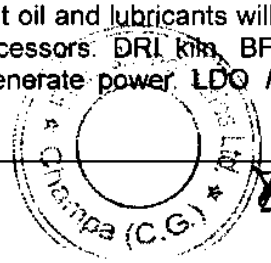
<table>
<tr><th>Units</th><th>Existing capacity</th><th>Proposed Capacity</th><th>Total capacity</th></tr>
<tr><td>Sponge Iron plant</td><td>0.7 MTPA</td><td>1.3 MTPA</td><td>2.0 MTPA</td></tr>
<tr><td>Captive Power plant
Co-generation power plant(WHRB)
Coal based power plant
BF gas based power plant
Total</td><td>
37 MW
87.5 MW
Nil
124.5 MW</td><td>
63 MW
100 MW
20 MW
183 MW</td><td>
100 MW
187.5 MW
20 MW
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 m³ 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/Nrm³. 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/Nrm³. Installed dust settling chamber</td></tr>
</table>

		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 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 23rd - 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 the Ministry vide G. S. R. No. 826 (E) dated 16th	Complied.

		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 prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study	Complied. Monitoring and analysis are carried out and parameters are within the prescribed norms. Regularly submitting the monitoring reports to CECB, CPCB and MoEF. Monitoring and analysis of

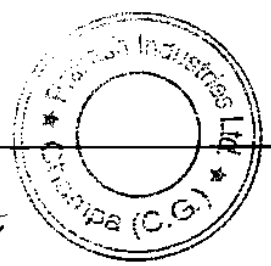
		for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhopal, Chhattisgarh Environment Conservation Board (CECB) and CPCB.	surface and ground water is being carried out by the MoEF&CC accredited laboratory "Ultimate Envirolytical 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 trucks carrying raw coal from the linked coalmines shall be created within the Unit.	Complied. Project proponent has provided road sweeping machines for regular cleaning 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 3,26,640 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 April 2023 to September 2023 to MoEF&CC, CPCB & CECB vide PIL/EHS/ENV/MoEF&CC/2023/828 dtd. 03.11.2023. Details of plantation is enclosed as **Annexure – V.**
	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 Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	Complied. Project proponent are keeping separate 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

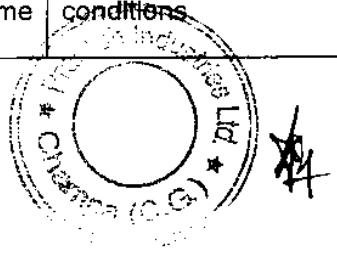
Champa (C.G.)

			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

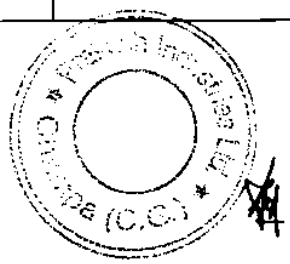
			records are maintained as per the Factories Act. Enclosed as per **Annexure-IX.**
	vi.	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	Project proponent has consented to the condition.
	vii.	The company shall develop rain water harvesting structures 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 / 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	Complied.



		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 October 2022 to March 2023 was submitted to MoEF&CC, CPCB, CECB vide PIL/EHS/ENV/MoEF&CC/2023/718 dtd. 20.05.2023. and another 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.
	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 2022 to March 2023 was submitted to MoEF&CC & CECB vide PIL/EHS/ENV-STATEMENT/2023/717 dtd. 20.05.2023. (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 bound manner will implement these conditions.	Project proponent has consented to the 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.



Annexure-I

Format No. : UES/FORM/09

Ultimate
ENVIROLYTICAL SOLUTIONS

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

Name & Address Of The Customer

To,

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

REPORT NO	UES/TR/23-24/09157	
LAB REF NO	UES/23-24/ST/014533	
DATE OF SAMPLING	06/03/2024	
DATE OF RECEIPT	07/03/2024	
DATE OF REPORT	11/03/2024	
DATE OF ANALYSIS	START:07/03/2024	END:11/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	175.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	17.19	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	65.32	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	34.41	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	254.3	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	143.5	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.
- 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

11/03/24

REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09158	
	LAB REF NO	UES/23-24/ST/014534	
	DATE OF SAMPLING	06/03/2024	
	DATE OF RECEIPT	07/03/2024	
	DATE OF REPORT	11/03/2024	
	DATE OF ANALYSIS	START: 07/03/2024	END: 11/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	172.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	17.33	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	65.85	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	38.64	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	241.5	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	159.6	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09159	
	LAB REF NO	UES/23-24/ST/014535	
	DATE OF SAMPLING	05/03/2024	
	DATE OF RECEIPT	06/03/2024	
	DATE OF REPORT	09/03/2024	
	DATE OF ANALYSIS	START: 06/03/2024	END: 09/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	154.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	10.77	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	61.60	-	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	261.6	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	153.8	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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

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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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09160	
	LAB REF NO	UES/23-24/ST/014536	
	DATE OF SAMPLING	11/03/2024	
	DATE OF RECEIPT	12/03/2024	
	DATE OF REPORT	16/03/2024	
	DATE OF ANALYSIS	START:12/03/2024	END:16/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	146.0	–	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.24	–	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	55.66	–	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	33.23	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	231.8	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	142.8	300	IS 11255 (Part 7):2005

REMARKS: Results Are As Above

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16/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer

To,

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

REPORT NO	UES/TR/23-24/09161	
LAB REF NO	UES/23-24/ST/014537	
DATE OF SAMPLING	11/03/2024	
DATE OF RECEIPT	12/03/2024	
DATE OF REPORT	16/03/2024	
DATE OF ANALYSIS	START: 12/03/2024	END: 16/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
SAMPLING LOCATION	ESP OF KILN-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.

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	142.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	14.18	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	56.86	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	36.45	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	261.7	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	160.5	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*

16/03/24

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ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09162	
	LAB REF NO	UES/23-24/ST/014538	
	DATE OF SAMPLING	01/03/2024	
	DATE OF RECEIPT	02/03/2024	
	DATE OF REPORT	06/03/2024	
	DATE OF ANALYSIS	START: 02/03/2024	END: 06/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	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-6
STACK ATTACHED TO	ESP
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65.0
STACK DIAMETER (MTR.)	3.40
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	137.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.78	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	52.48	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	39.76	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	228.7	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	133.4	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*

06/03/24

REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer		
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09163
	LAB REF NO	UES/23-24/ST/017539
	DATE OF SAMPLING	
	DATE OF RECEIPT	
	DATE OF REPORT	
	DATE OF ANALYSIS	

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
SAMPLING LOCATION	ESP OF FEB-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 FEB-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	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
SULPHUR DIOXIDE (SO_2)	mg/Nm^3		600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3		300	IS 11255 (Part 7):2005
MERCURY AS Hg	mg/Nm^3		0.03	USEPA Method No. 29

REMARKS: Results Are As Above

Terms & conditions

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REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | E-mail : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09164	
	LAB REF NO	UES/23-24/ST/017540	
	DATE OF SAMPLING	15/03/2024	
	DATE OF RECEIPT	16/03/2024	
	DATE OF REPORT	20/03/2024	
	DATE OF ANALYSIS	START:16/03/2024	END:20/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
SAMPLING LOCATION	ESP OF FBB-263
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-263
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	95.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.76	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	93.62	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.52	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	446.1	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	159.7	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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20/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer

To,

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

REPORT NO	UES/TR/23-24/09165	
LAB REF NO	UES/23-24/ST/017541	
DATE OF SAMPLING	07/03/2024	
DATE OF RECEIPT	08/03/2024	
DATE OF REPORT	12/03/2024	
DATE OF ANALYSIS	START:08/03/2024	END:12/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	134.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	16.09	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	55.67	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	35.57	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	239.3	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	147.7	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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12/03/24

REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

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

REPORT NO	UES/TR/23-24/09166	
LAB REF NO	UES/23-24/ST/017542	
DATE OF SAMPLING	13/03/2024	
DATE OF RECEIPT	14/03/2024	
DATE OF REPORT	18/03/2024	
DATE OF ANALYSIS	START:14/03/2024	END:18/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	135.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.32	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	53.0	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	32.43	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	234.3	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_2)	mg/Nm^3	140.0	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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15/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer

To,

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

REPORT NO	UES/TR/23-24/09167	
LAB REF NO	UES/23-24/ST/017543	
DATE OF SAMPLING	07/03/2024	
DATE OF RECEIPT	08/03/2024	
DATE OF REPORT	12/03/2024	
DATE OF ANALYSIS	START: 08/03/2024	END: 12/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	122.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.66	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	54.18	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	38.55	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	262.4	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	157.1	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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12/03/24

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ULTIMATE ENVIROLYTICAL SOLUTIONS (P) LTD. HDD-272, PHASE-III, KABIR NAGAR, RING ROAD NO.-2, RAIPUR (C.G.)

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email . ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09168	
	LAB REF NO	UES/23-24/ST/017544	
	DATE OF SAMPLING	13/03/2024	
	DATE OF RECEIPT	14/03/2024	
	DATE OF REPORT	18/03/2024	
	DATE OF ANALYSIS	START:14/03/2024	END:18/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	121.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.54	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	53.76	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	33.46	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO_2)	mg/Nm^3	240.0	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO_x)	mg/Nm^3	150.6	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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18/03/24

REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09169	
	LAB REF NO	UES/23-24/ST/017545	
	DATE OF SAMPLING	09/03/2024	
	DATE OF RECEIPT	11/03/2024	
	DATE OF REPORT	15/03/2024	
	DATE OF ANALYSIS	START: 11/03/2024	END: 15/03/2024

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
SAMPLING LOCATION	DE-DUSTING (BAG HOUSE KILN-162)
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-162)
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	40.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.35	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	51.42	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	34.60	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

15/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 - 4027771 Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09170	
	LAB REF NO	UES/23-24/ST/017546	
	DATE OF SAMPLING	22/03/2024	
	DATE OF RECEIPT	23/03/2024	
	DATE OF REPORT	27/03/2024	
	DATE OF ANALYSIS	START:23/03/2024	END:27/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.74	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	9.93	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	23.38	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*

27/03/24
REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09171	
	LAB REF NO	UES/23-24/ST/017547	
	DATE OF SAMPLING	22/03/2024	
	DATE OF RECEIPT	23/03/2024	
	DATE OF REPORT	27/03/2024	
	DATE OF ANALYSIS	START: 23/03/2024	END: 27/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	38.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	10.06	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	8.65	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	29.64	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*

27/03/24
REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09172	
	LAB REF NO	UES/23-24/ST/017548	
	DATE OF SAMPLING	09/03/2024	
	DATE OF RECEIPT	11/03/2024	
	*DATE OF REPORT	15/03/2024	
	DATE OF ANALYSIS	START:11/03/2024	END:15/03/2024

DELIVERY DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.65	-	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	27.78	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*

15/03/24
REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09173	
LAB REF NO	UES/23-24/ST/017549	
DATE OF SAMPLING	05/03/2024	
DATE OF RECEIPT	06/03/2024	
DATE OF REPORT	09/03/2024	
DATE OF ANALYSIS	START:06/03/2024	END:09/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	9.40	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	1.78	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.56	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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09/03/24

REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer

To,

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

REPORT NO	UES/TR/23-24/09174
LAB REF NO	UES/23-24/ST/017550
DATE OF SAMPLING	20/03/2024
DATE OF RECEIPT	21/03/2024
DATE OF REPORT	26/03/2024
DATE OF ANALYSIS	START: 21/03/2024 END: 26/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	35.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	13.12	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	23.22	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	21.60	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

26/03/24

REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

----------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/23-24/09175	
	LAB REF NO	UES/23-24/ST/017551	
	DATE OF SAMPLING	20/03/2024	
	DATE OF RECEIPT	21/03/2024	
	DATE OF REPORT	26/03/2024	
	DATE OF ANALYSIS	START: 21/03/2024	END: 26/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	38.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.73	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	54.42	-	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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- *This is for information as the party has asked for above test(s) only*

26/03/24 REVIEWED BY	ULTIMATE ENVIROLYTICAL SOLUTIONS HDD-272, PHASE-III, NEAR JP CHOWK, RING ROAD NO.-2, KABIR NAGAR, RAIPUR (C.G.)	For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY

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/23-24/09176	
LAB REF NO	UES/23-24/ST/017552	
DATE OF SAMPLING	12/03/2024	
DATE OF RECEIPT	13/03/2024	
DATE OF REPORT	16/03/2024	
DATE OF ANALYSIS	START:13/03/2024	END:16/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	32.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.16	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	14.10	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	22.42	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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16/03/24
REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer

To,

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

REPORT NO	UES/TR/23-24/09177
LAB REF NO	UES/23-24/ST/017553
DATE OF SAMPLING	12/03/2024
DATE OF RECEIPT	13/03/2024
DATE OF REPORT	16/03/2024
DATE OF ANALYSIS	START:13/03/2024 END:16/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	33.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.60	-	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	26.39	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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16/03/24
REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09178	
	LAB REF NO	UES/23-24/ST/017554	
	DATE OF SAMPLING	16/03/2024	
	DATE OF RECEIPT	18/03/2024	
	DATE OF REPORT	22/03/2024	
	DATE OF ANALYSIS	START:18/03/2024	END:22/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	34.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.81	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	10.59	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	28.74	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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22/03/24

REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09179	
	LAB REF NO	UES/23-24/ST/017555	
	DATE OF SAMPLING	16/03/2024	
	DATE OF RECEIPT	18/03/2024	
	DATE OF REPORT	22/03/2024	
	DATE OF ANALYSIS	START:18/03/2024	END:22/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	39.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.38	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	23.17	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	25.62	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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22/03/24

REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

AUTHORIZED SIGNATORY

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 : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09180	
	LAB REF NO	UES/23-24/ST/017556	
	DATE OF SAMPLING	21/03/2024	
	DATE OF RECEIPT	22/03/2024	
	DATE OF REPORT	26/03/2024	
	DATE OF ANALYSIS	START:22/03/2024	END:23/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	36.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	8.48	-	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	21.73	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*

26/03/24 REVIEWED BY	ULTIMATE ENVIROLYTICAL SOLUTIONS	For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY

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/23-24/09181	
	LAB REF NO	UES/23-24/ST/017557	
	DATE OF SAMPLING	21/03/2024	
	DATE OF RECEIPT	22/03/2024	
	DATE OF REPORT	26/03/2024	
	DATE OF ANALYSIS	START: 22/03/2024	END: 26/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	38.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	14.19	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	8.79	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.54	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*

26/03/24

REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

End of the test report.....

Ultimate
ENVIROLYTICAL SOLUTIONS

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

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09182	
	LAB REF NO	UES/23-24/ST/017558	
	DATE OF SAMPLING	18/03/2024	
	DATE OF RECEIPT	19/03/2024	
	DATE OF REPORT	23/03/2024	
	DATE OF ANALYSIS	START:19/03/2024	END:23/03/2024

SAMPLING DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.37	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	1.96	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	37.55	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*

23/03/24

REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09183	
	LAB REF NO	UES/23-24/ST/017559	
	DATE OF SAMPLING	18/03/2024	
	DATE OF RECEIPT	19/03/2024	
	DATE OF REPORT	23/03/2024	
	DATE OF ANALYSIS	START:19/03/2024	END:23/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	38.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	13.58	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	20.91	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	40.82	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

- *The report for publication, arbitration or as the legal disputs 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*

23/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09184	
	LAB REF NO	UES/23-24/ST/017560	
	DATE OF SAMPLING	19/03/2024	
	DATE OF RECEIPT	20/03/2024	
	DATE OF REPORT	23/03/2024	
	DATE OF ANALYSIS	START:20/03/2024	END:23/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	9.35	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	3.45	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	24.67	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09185	
	LAB REF NO	UES/23-24/ST/017561	
	DATE OF SAMPLING	01/03/2024	
	DATE OF RECEIPT	02/03/2024	
	DATE OF REPORT	06/03/2024	
	DATE OF ANALYSIS	START:02/03/2024	END:06/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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.)	35.0
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	33.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.11	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	3.48	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	25.66	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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REVIEWED BY		AUTHORIZED SIGNATORY

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/23-24/09186	
	LAB REF NO	UES/23-24/ST/017562	
	DATE OF SAMPLING	02/03/2024	
	DATE OF RECEIPT	04/03/2024	
	DATE OF REPORT	08/03/2024	
	DATE OF ANALYSIS	START: 04/03/2024	END: 08/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	36.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.58	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.79	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	27.66	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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ULTIMATE ENVIROLYTICAL SOLUTIONS HDD-272, KABIR NAGAR RING ROAD NO.-2, RAIPUR (C.G.)

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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

Prakash Ind...

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/23-24/09187	
	LAB REF NO	UES/23-24/ST/017563	
	DATE OF SAMPLING	02/03/2024	
	DATE OF RECEIPT	04/03/2024	
	DATE OF REPORT	08/03/2024	
	DATE OF ANALYSIS	START:04/03/2024	END:08/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	34.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	9.39	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	11.36	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	29.83	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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----------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/23-24/09188	
LAB REF NO	UES/23-24/ST/017564	
DATE OF SAMPLING	19/03/2024	
DATE OF RECEIPT	20/03/2024	
DATE OF REPORT	23/03/2024	
DATE OF ANALYSIS	START:20/03/2024	END:23/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	38.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	13.81	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	15.60	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	36.74	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*

23/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09189	
LAB REF NO	UES/23-24/ST/017565	
DATE OF SAMPLING	15/03/2024	
DATE OF RECEIPT	16/03/2024	
DATE OF REPORT	20/03/2024	
DATE OF ANALYSIS	START:16/03/2024	END:20/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
SAMPLING LOCATION	NEW CHP (FEB-2&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	NEW CHP (FEB-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	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.48	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.08	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	20.35	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

Terms & conditions

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20/03/24

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ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09190	
	LAB REF NO	UES/23-24/ST/017566	
	DATE OF SAMPLING	23/03/2024	
	DATE OF RECEIPT	26/03/2024	
	DATE OF REPORT	30/03/2024	
	DATE OF ANALYSIS	START:26/03/2024	END:30/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
SAMPLING LOCATION	SAF-162 (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-162 (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	84.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.71	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	34.84	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	29.64	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*

30/03/24

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For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09191	
	LAB REF NO	UES/23-24/ST/017567	
	DATE OF SAMPLING	23/03/2024	
	DATE OF RECEIPT	26/03/2024	
	DATE OF REPORT	30/03/2024	
	DATE OF ANALYSIS	START:26/03/2024	END:30/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
SAMPLING LOCATION	SAF-364 (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-364 (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	89.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	8.12	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	36.70	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	36.50	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*

30/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

----------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/23-24/09192	
	LAB REF NO	UES/23-24/ST/017568	
	DATE OF SAMPLING	14/03/2024	
	DATE OF RECEIPT	15/03/2024	
	DATE OF REPORT	19/03/2024	
	DATE OF ANALYSIS	START:15/03/2024	END:19/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	℃	70.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.31	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	37.48	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.57	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*

19/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09193	
	LAB REF NO	UES/23-24/ST/017569	
	DATE OF SAMPLING	14/03/2024	
	DATE OF RECEIPT	15/03/2024	
	DATE OF REPORT	19/03/2024	
	DATE OF ANALYSIS	START:15/03/2024	END:19/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	90.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	16.44	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	29.09	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	39.43	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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19/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09194	
	LAB REF NO	UES/23-24/ST/017570	
	DATE OF SAMPLING	14/03/2024	
	DATE OF RECEIPT	15/03/2024	
	DATE OF REPORT	19/03/2024	
	DATE OF ANALYSIS	START:15/03/2024	END:19/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	16.80	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	58.12	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	34.76	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer	REPORT NO	UES/TR/23-24/09195
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	LAB REF NO	UES/23-24/ST/017571
	DATE OF SAMPLING	
	DATE OF RECEIPT	
	DATE OF REPORT	
	DATE OF ANALYSIS	

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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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End of the test report

Ultimate
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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/23-24/09196	
	LAB REF NO	UES/23-24/ST/017572	
	DATE OF SAMPLING	03/03/2024	
	DATE OF RECEIPT	04/03/2024	
	DATE OF REPORT	08/03/2024	
	DATE OF ANALYSIS	START:04/03/2024	END:08/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	32.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.33	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	9.43	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	24.33	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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08/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

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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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09197	
	LAB REF NO	UES/23-24/ST/017573	
	DATE OF SAMPLING	03/03/2024	
	DATE OF RECEIPT	04/03/2024	
	DATE OF REPORT	08/03/2024	
	DATE OF ANALYSIS	START: 04/03/2024	END: 08/03/2024

SAMPLE DESCRIPTION

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	33.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	4.99	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.13	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	27.46	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimateenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09198	
	LAB REF NO	UES/23-24/ST/017574	
	DATE OF SAMPLING	10/03/2024	
	DATE OF RECEIPT	11/03/2024	
	DATE OF REPORT	15/03/2024	
	DATE OF ANALYSIS	START:11/03/2024	END:15/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012; 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	36.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.69	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	10.07	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	22.42	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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REVIEWED BY

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

End of the test report.....

Ultimate
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HDD-272, Phase I I - 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/23-24/09199	
	LAB REF NO	UES/23-24/ST/017575	
	DATE OF SAMPLING	10/03/2024	
	DATE OF RECEIPT	11/03/2024	
	DATE OF REPORT	15/03/2024	
	DATE OF ANALYSIS	START:11/03/2024	END:15/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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 2012, 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	38.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.31	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	7.76	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	26.41	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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15/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09200	
	LAB REF NO	UES/23-24/ST/017576	
	DATE OF SAMPLING	17/03/2024	
	DATE OF RECEIPT	18/03/2024	
	DATE OF REPORT	22/03/2024	
	DATE OF ANALYSIS	START:18/03/2024	END:22/03/2024

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	39.0	–	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.82	–	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	7.15	–	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	30.53	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09201	
	LAB REF NO	UES/23-24/ST/017577	
	DATE OF SAMPLING	17/03/2024	
	DATE OF RECEIPT	18/03/2024	
	DATE OF REPORT	22/03/2024	
	DATE OF ANALYSIS	START:18/03/2024	END:22/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	40.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.23	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	7.66	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	28.33	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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ULTIMATE ENVIROLYTICAL SOLUTIONS HDD-272, PHASE-III, KABIR NAGAR, RING ROAD NO.2, RAIPUR (C.G.)

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO	UES/TR/23-24/09202	
	LAB REF NO	UES/23-24/ST/017578	
	DATE OF SAMPLING	17/03/2024	
	DATE OF RECEIPT	18/03/2024	
	DATE OF REPORT	22/03/2024	
	DATE OF ANALYSIS	START: 18/03/2024	END: 22/03/2024

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO.	BY MAIL CONFIRMATION.
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	37.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.48	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	M^3/s	6.19	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm^3	21.31	50	IS 11255 (Part 1):1985

REMARKS: Results Are As Above

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22/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR CHAMPA CHHATTISGARH**	Report No.	UES/TR/23-24/09150	
	Lab Ref No.	UES/23-24/AAQM/017446-017449	
	Date Of Sampling	04/03/2024	
	Date Of Receipt	05/03/2024	
	Date Of Report	09/03/2024	
	Date Of Analysis	Start:05/03/2024	End:09/03/2024

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.	By Mail Confirmation.
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	40.62	45.67	38.59	32.45
$PM_{2.5}$	$\mu g/m^3$	60	28.88	33.17	24.88	20.74
SO_2	$\mu g/m^3$	80	12.76	21.40	14.70	18.47
NO_2	$\mu g/m^3$	80	23.20	32.47	26.09	30.12
CO	mg/m^3	4.0	0.0012	0.0021	0.0018	0.0020

REMARKS: RESULTS ARE AS ABOVE

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09/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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/23-24/09151	
	Lab Ref No.	UES/23-24/AAQM/017450-017453	
	Date Of Sampling	11/03/2024	
	Date Of Receipt	12/03/2024	
	Date Of Report	15/03/2024	
	Date Of Analysis	Start:12/03/2024	End:15/03/2024

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. & Date	By Mail Confirmation.
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	37.53	49.61	44.81	46.52
$PM_{2.5}$	$\mu g/m^3$	60	24.54	37.15	28.76	33.16
SO_2	$\mu g/m^3$	80	14.19	19.57	11.09	20.40
NO_2	$\mu g/m^3$	80	27.12	30.50	20.16	31.47
CO	mg/m^3	4.0	0.0015	0.0023	0.0016	0.0023

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- *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.*

15/03/24 **REVIEWED BY**		*For* ULTIMATE ENVIROLYTICAL SOLUTIONS **AUTHORIZED SIGNATORY**

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	Report No.	UES/TR/23-24/09152	
	Lab Ref No.	UES/23-24/AAQM/017454-017457	
	Date Of Sampling	18/03/2024	
	Date Of Receipt	19/03/2024	
	Date Of Report	23/03/2024	
	Date Of Analysis	Start:19/03/2024	End:23/03/2024

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. & Date	By Mail Confirmation.
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	40.61	49.58	38.73	40.87
$PM_{2.5}$	$\mu g/m^3$	60	29.43	36.13	25.20	28.63
SO_2	$\mu g/m^3$	80	10.16	24.10	13.07	22.05
NO_2	$\mu g/m^3$	80	18.07	35.16	24.09	31.76
CO	mg/m^3	4.0	0.0011	0.0025	0.0019	0.0019

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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23/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	Report No.	UES/TR/23-24/09153	
	Lab Ref No.	UES/23-24/AAQM/017458-0174561	
	Date Of Sampling	26/03/2024	
	Date Of Receipt	27/03/2024	
	Date Of Report	30/03/2024	
	Date Of Analysis	Start:27/03/2024	End:30/03/2024

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. & Date	By Mail Confirmation.
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	35.83	57.60	46.77	49.75
$PM_{2.5}$	$\mu g/m^3$	60	23.78	41.46	29.16	33.19
SO_2	$\mu g/m^3$	80	13.80	25.64	16.72	21.95
NO_2	$\mu g/m^3$	80	25.10	36.76	28.20	32.20
CO	mg/m^3	4.0	0.0013	0.0020	0.0021	0.0017

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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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.*

30/03/24 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY

End of the test report

Annexure-II

Format No. : UES/FORM/09

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HDD-272, Phase III - Near JP Chowk
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Ph : 0771 - 4027771 Email : ultimatenviro@gmail.com

Name & Address Of The Customer

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

REPORT NO	UES/TR/23-24/08598
LAB REF NO.	UES/23-24/WP/016632
DATE OF SAMPLING	06/03/2024 - 07/03/2024
DATE OF RECEIPT	08/03/2024
DATE OF REPORT	09/03/2024
DATE OF ANALYSIS	START: 08/03/2024 END: 09/03/2024

SAMPLE DETAILS

Monitoring For	Work Place Monitoring
Customer Ref. No.	By Mail Confirmation.
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. 08598

TEST REPORT

Sr. No.	Name	Location	Result	Unit	Method Reference
1	Sponge Iron - RMH (Kiln-1&2)	Raw Material Ground Hopper	1476	µg/m³	EPA Method IO-2.1
2		Raw Material Screening Area	1488	µg/m³	
3	Sponge Iron - RMH (Kiln-1&2)	Raw Material Transfer Point	1464	µg/m³	
4		Raw Material Vibrating Screen	1466	µg/m³	
5	Sponge Iron - RMH (Kiln-3)	Raw Material Transfer Point	1432	µg/m³	
6		Raw Material Vibrating Screen	1438	µg/m³	
7	Sponge Iron - Production (Kiln-1&2)	Raw Material Feeding Area (Kiln-1)	1420	µg/m³	
8		Raw Material Feeding Area (Kiln-2)	1472	µg/m³	
9		Raw Material Mixing Area	1380	µg/m³	
10		Cooler Oversize Material Discharge Area (Kiln-1)	758	µg/m³	
11		Cooler Oversize Material Discharge Area (Kiln-2)	784	µg/m³	
12		Intermediate Stock 'I' BIN Area	1370	µg/m³	
13		Sponge Iron- Screening Area	1176	µg/m³	
14		Sponge Iron- Magnetic Area	1138	µg/m³	
15		Sponge Iron- Loading Area	1134	µg/m³	
16		Screening Center- Sponge Iron Oversize Discharge	1637	µg/m³	
17	Sponge Iron- Production (Kiln-3)	Raw Material Feeding Area	1420	µg/m³	
18		Raw Material Mixing Area	1436	µg/m³	
19		Cooler Oversize Material Discharge Area	756	µg/m³	
20		Intermediate Stock 'I' BIN Area	1360	µg/m³	
21		Sponge Iron- Screening Area	1188	µg/m³	

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REPORT NO. 08598

TEST REPORT

Sr. No.		Location	Result	Unit	Method Reference
22		Sponge Iron- Magnetic Separation	1153	µg/m³	
23		Sponge Iron- Loading Point	1140	µg/m³	
24		Screening Center- Sponge Iron Oversize Discharge	1629	µg/m³	
25		In Between Coal Hopper and Coal Crusher	1541	µg/m³	
26		Near Coal Fines Loading Building	1248	µg/m³	
27		Iron Ore Screening Building	1104	µg/m³	
28	Sponge Iron- RMH,RMP, Production (Kiln-4&5)	Near Sponge & Char Loading Point	1565	µg/m³	
29		In Between Transfer Tower and Product Separation Building	962	µg/m³	
30		Near Cooler Discharge Area Kiln-4	748	µg/m³	
31		Near Cooler Discharge Area Kiln-5	766	µg/m³	
32		Near Raw Material Bin Area	1222	µg/m³	
33		At Product Junction House	1177	µg/m³	
34		Raw Material Feeding Area	1448	µg/m³	
35	Sponge Iron (Kiln - 6)	Raw Material Mixing Area	1442	µg/m³	
36		Ccoler Oversize Material Discharge Area	766	µg/m³	
37		Intermediate Stock 'I' BIN Area	1362	µg/m³	
38	IFD - Shed No.01 (03 ton)	Vibro Feeder	1440	µg/m³	
39		Raw Material Storage Yard	1369	µg/m³	
40		Concost Machine	1054	µg/m³	
41	IFD - Shed No.02 (15 ton-1))	Vibro Feeder	1676	µg/m³	
42		Raw Material Storage Yard	1627	µg/m³	
43		Concost Machine	1258	µg/m³	
44	IFD - Shed No.03 (06 ton)	Vibro Feeder	1524	µg/m³	
45		Raw Material Storage Yard	1464	µg/m³	
46		Concost Machine	1157	µg/m³	
47	IFD - Shed No.04 (12 ton)	Vibro Feeder	1642	µg/m³	
48		Raw Material Storage Yard	1549	µg/m³	
49		Concost Machine	1158	µg/m³	
50	IFD - Shed No.05 (15 ton-2)	Vibro Feeder	1727	µg/m³	
51		Raw Material Storage Yard	1640	µg/m³	
52		Concost Machine	1249	µg/m³	
53	IFD - Shed No.06	Vibro Feeder	1692	µg/m³	
54		Raw Material Storage Yard	1624	µg/m³	
55		Concost Machine	1247	µg/m³	
56	IFD - Shed No.07 (15 ton-4)	Vibro Feeder	1770	µg/m³	
57		Raw Material Storage Yard	1644	µg/m³	
58		Concost Machine	1268	µg/m³	
59	SAF-01 to 04	Raw Material Ground Hopper	1337	µg/m³	
60		Raw Material Transfer Point	1219	µg/m³	
61		Raw Material Hopper	1185	µg/m³	

EPA Method IO-2.1

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REPORT NO. 08598

TEST REPORT

Sr. No.		Location	Result	Unit	Method Reference
62		Raw Material Feeding Area	1439	µg/m³	
63		Melting Shop Furnace	1042	µg/m³	
64	SAF-05 to 06	Raw Material Ground Hopper	1363	µg/m³	
65		Raw Material Transfer Point	1240	µg/m³	
66		Raw Material Hooper	1192	µg/m³	
67	SAF-07 to 09	Raw Material Feeding Area	1464	µg/m³	EPA Method IO-2.1
68		Melting Shop Furnace	1118	µg/m³	
69		Raw Material Ground Hopper	1375	µg/m³	
70		Raw Material Transfer Point	1244	µg/m³	
71		Raw Material Hooper	1157	µg/m³	
72		Raw Material Feeding Area	1488	µg/m³	
73	Sinter Plant	Melting Shop Furnace	1055	µg/m³	
74		Raw Material Hopper	1151	µg/m³	
75		Nr. Furnace (Pan) area	1287	µg/m³	
76	Power Plant - FBB-1	Raw Material Ground Hopper	1353	µg/m³	
77		Silo Area	1192	µg/m³	
78	Power Plant - FBB-2&3	Raw Material Ground Hopper	1366	µg/m³	
79		Raw Material Transfer Point	1262	µg/m³	
80		Silo Area	1328	µg/m³	
81		Near Old CHP	1437	µg/m³	
82		Near New CHP	1292	µg/m³	
83	Power Plant - FBB-04,05,06,07	In Between Silo & ESP FBB-4&5	1268	µg/m³	
84		In Between Silo & ESP FBB-6&7	1230	µg/m³	
85		Near Coal Hopper	1321	µg/m³	
86		In Between Primary & Secondary Crusher Building	1552	µg/m³	
87		Nr. Secondary screening Building	1432	µg/m³	
88		In Between CHP & CHP screening Building	1354	µg/m³	

REMARKS:N.D.- NOT DETECTED

Terms & conditions

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

09/03/24

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For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

AUTHORIZED SIGNATORY

End of the test report

Annexure-III

Format No. : UES/FORM/09

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

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO.	UES/TR/23-24/09203	
	LAB REF NO.	UES/23-24/W/017579	
	DATE OF SAMPLING	18/03/2024	
	DATE OF RECEIPT	19/03/2024	
	DATE OF REPORT	23/03/2024	
	DATE OF ANALYSIS	START: 19/03/2024	END: 23/03/2024

SAMPLE DETAILS	
ORDER /REFERENCE:	BY MAIL CONFIRMATION.
SAMPLE TYPE	1. ETP OUTLET WATER
CUSTMER 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	Results
1.	pH at 25.0°C	-	IS:3025:(Part-11):1983	5.5 to 9.0	7.98
2.	Total Suspended Solids	mg/l	IS:3025:(Part-17):1984	100	8.78
3.	Chemical Oxygen Demand (COD)	mg/l	IS:3025:(Part-58):2006	250	40.0
4.	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44):1993	30	8.0
5.	Oil & Grease	mg/l	IS:3025:(Part-39):1986	10.0	0.60

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

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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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*

23/03/24

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ULTIMATE ENVIROLYTICAL SOLUTIONS

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

End of the test report

Ultimate
ENVIROLYTICAL SOLUTIONS

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

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR** **CHAMPA CHHATTISGARH**	REPORT NO.	UES/TR/23-24/09204	
	LAB REF NO.	UES/23-24/W/017580	
	DATE OF SAMPLING	18/03/2024	
	DATE OF RECEIPT	19/03/2024	
	DATE OF REPORT	23/03/2024	
	DATE OF ANALYSIS	START: 18/03/2024	END: 23/03/2024

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)	7.12
2	Total Suspended Solids	mg/l	IS:3025:(Part-17)	7.79
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

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

23/03/24 **REVIEWED BY**	ULTIMATE ENVIROLYTICAL SOLUTIONS	For ULTIMATE ENVIROLYTICAL SOLUTIONS **AUTHORIZED SIGNATORY**

End of the test report

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

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR CHAMPA CHHATTISGARH**	REPORT NO.	UES/TR/23-24/09205	
	LAB REF NO.	UES/23-24/W/017581	
	DATE OF SAMPLING	18/03/2024	
	DATE OF RECEIPT	19/03/2024	
	DATE OF REPORT	23/03/2024	
	DATE OF ANALYSIS	START:19/03/2024	END: 23/03/2024

SAMPLE DETAILS	
ORDER /REFERENCE:	BY MAIL CONFIRMATION.
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 1):1987 RA 2003

TEST REPORT

Sr. No.	Parameter	UOM	Method Reference	Limits as per Consent	Result
1.	pH at 25.0°C	-	IS:3025:(Part-11):1983	5.5 to 9.0	7.89
2.	Total Suspended Solids	mg/l	IS:3025:(Part-17):1984	100	8.37
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^{0}C	mg/l	IS:3025:(Part-44):1993	30	9.50
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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23/03/24

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

End of the test report

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

Name & Address Of The Customer			
To, **PRAKASH INDUSTRIES LIMITED** **CHAMPA – 495671, DISTT.- JANJGIR CHAMPA CHHATTISGARH**	REPORT NO.	UES/TR/23-24/09206	
	LAB REF NO.	UES/23-24/W/017582	
	DATE OF SAMPLING	18/03/2024	
	DATE OF RECEIPT	19/03/2024	
	DATE OF REPORT	23/03/2024	
	DATE OF ANALYSIS	START: 18/03/2024	END: 23/03/2024

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)	7.92
2	Total Suspended Solids	mg/l	IS:3025:(Part-17)	3.94
3	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44)	6.50
4	Chemical Oxygen Demand (COD)	mg/l	IS:3025:(part-58)	30.0
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

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*

23/03/24

REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

AUTHORIZED SIGNATORY

End of the test report

Prakash Industries Limited, Champa

ANNEXURE – IV

SOLID WASTE GENERATION AND UTILIZATION
For the period of October 2023 to March 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	192985	Used in CPP boiler for Power generation. Time to time temporarily stored in yard.	127284
			Over size & remaining part are Used in roads making & filling of pits.	65701
II	Wet Scrapper Dust	14963	Used in roads making & filling of pits.	14963
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	207948		207948
B.	**Captive Power Plant**			
I	Fly ash & Bottom ash	285430	1. Used in mine filing. 2. Used in PIL Bricks plant.	285430
C.	**Induction Furnace Division**			
I	Slag-IFD	114534	Used in road construction & filling of low lying areas. Time to time temporarily stored in yard	114534
D.	**Sub Merged Arc Furnace**			
I	Slag-SAF	33385	Used in road construction & filling of low lying areas. Time to time temporarily stored in yard	33385
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 December 2023 approx. 1,40,000 saplings. Thus, the total number of saplings which we have planted and survived are approx. 3.26 Lacs. During the monsoon of 2023, 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

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.

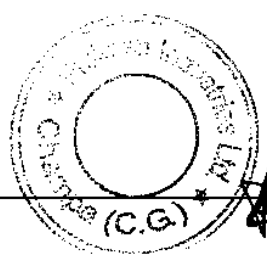
Prakash Industries Ltd. * Champa (C.G.) *

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

	implementation of the Rules by Dec. 2003. • (Tar sludge, acid sludge, waste lubricating oil and type fuel falls in the category of Hazardous Waste).	CPCB 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



		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

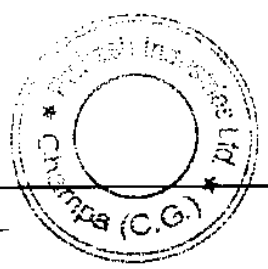
		optimization. ISO 50001 Energy management system is awarded to our company.
	▪ To set targets for Resource Conservation such as Raw material, energy and water consumption to match International Standards.	The company has also been awarded ISO 9001, ISO 14001, ISO 45001 and ISO 50001 and we are committed 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 2023. - 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	**<u>Sponge Iron Plants</u>** 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.

Champa (C.G.)

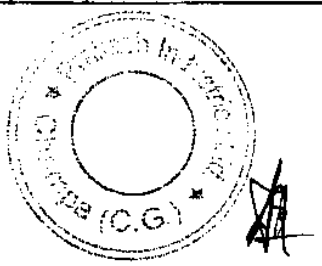
Prakash Industries Limited, Champa

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.



Prakash Industries Limited, Champa

ANNEXURE – VII

DETAILS OF CORPORATE SOCIAL RESPONSIBILITY EXPENSES

Sl. No.	For the period of April – 2023 to September – 2023	
	Details of important work done at site (Panchayat/Villages) etc	**Expenses in lacs**
1	Drinking Water Facility	21.72
2	Promotion of education	88.31
3	Health care	78.47
4	Environmental awareness- Plantation and water conservation	7.44
5	Expenditure for Sports	0.10
6	Miscellaneous (Infrastructure development, expenses reference to cultural programe, welfare & social causes etc.)	45.83
	Total (A) >>>>>	**241.87**

Sl. No.	For the period of October – 2023 to March – 2024	
	Details of important work done at site (Panchayat/Villages) etc	**Expenses in lacs**
1	Drinking Water Facility	6.83
2	Promotion of education	101.21
3	Health care	75.40
4	Environmental awareness- Plantation and water conservation	0.47
4	Expenditure for Sports	1.71
5	Miscellaneous (Infrastructure development, expenses reference to cultural programe, welfare & social causes etc.)	105.54
	Total (B) >>>>>	**291.16**
	Grand Total (A+B) >>>>>	**533.03**

Annexure -VIII

Format No. : UES/FORM/09

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/23-24/09155
LAB REF NO.	UES/23-24/N/017462-017494
DATE OF REPORT	23/03/2024
DATE OF MONITORING	19/03/2024 to 20/03/2024

SAMPLE DETAILS

Monitoring For	Ambient Noise Level Monitoring
Customer Ref. No.	PIL/ENV/ULTIMATE/2022-23/137, DATED:22.12.2022
Sampling Location	Mentioned Below
Sample Collected By	Laboratory Chemist
Sampling Procedure	Manufacturer's Instruction

REPORT NO. 09155

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)	66.4	59.3	75	70
2	Nr. Control Room of Kiln- 1&2	dB(A)	70.2	62.4		
3	Nr. Control Room of Kiln-3	dB(A)	69.5	61.9		
4	Nr. Bag House area of Kiln- 1&2	dB(A)	71.4	63.7		
5	Nr. Bag House area of Kiln- 3	dB(A)	72.6	64.6		
6	Nr. Control room of Kiln- 4&5	dB(A)	71.1	62.3		
7	Nr. Bag House area of Kiln- 4&5	dB(A)	71.6	63.7		
8	Nr. R.M.P. Office of Kiln-4,5,6	dB(A)	66.7	58.4		
9	Nr. Control room of Kiln- 6	dB(A)	68.4	61.5		
10	Nr. Bag House area of Kiln- 6	dB(A)	69.5	61.4		
11	Nr. Cooling Tower of WHRB- 1,2&3	dB(A)	73.1	65.4		
12	Nr. Control Room of WHRB- 3	dB(A)	69.6	61.9		
13	Cooling Tower of FBB-2&3	dB(A)	70.2	62.2		
14	Nr. Cooling Tower of FBB-4&5	dB(A)	69.5	62.5		
15	Nr. Cooling Tower of FBB-6&7	dB(A)	70.3	63.3		
16	Nr. Bag House Area of SAF- 1&2	dB(A)	72.2	63.4		

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

REPORT NO. 09155

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)	68.2	61.5		
18	Nr. Bag House Area of SAF- 5&6	dB(A)	71.8	63.8		
19	Nr. Bag House Area of SAF- 7	dB(A)	73.4	64.4		
20	Nr. Bag House Area of SAF- 8&9	dB(A)	73.1	65.3		
21	Nr. Pump House & New. Engg. Office	dB(A)	67.6	59.6		
22	Nr. Central Work Shop	dB(A)	69.5	60.2		
23	Nr. Engg. Office	dB(A)	72.6	63.1		
24	Nr. Hanuman Temple	dB(A)	70.2	62.6		
25	Nr. AAQM No- 1	dB(A)	66.1	57.2		
26	Nr. AAQM No- 2	dB(A)	67.4	61.7		
27	Nr. AAQM No- 3	dB(A)	70.3	63.1		
28	Nr. AAQM No- 4	dB(A)	64.6	56.6		
29	Nr. Plant Gate	dB(A)	71.6	64.3		
30	Nr. Main Gate (Old)	dB(A)	69.9	61.4		
31	Nr. Main Gate (New)	dB(A)	70.2	62.6		
32	Nr. Hazardous Waste shed area	dB(A)	66.1	58.2		
33	At Colony Square	dB(A)	63.6	55.7		

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.*

23/03/24

REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS HDD-272, KABIR NAGAR, RING ROAD NO.2, RAIPUR (C.G.)

For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

AUTHORIZED SIGNATORY

----------Ends 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/23-24/09156
LAB REF NO.	UES/23-24/N/017495-017532
DATE OF REPORT	23/03/2024
DATE OF MONITORING	19/03/2024 to 20/03/2024

SAMPLE DETAILS

Monitoring For	Workplace Noise Level Monitoring
Customer Ref. No.	By Mail Confirmation.
Sampling Location	Mentioned Below
Sample Collected By	Laboratory Chemist
Sampling Procedure	Manufacturer's Instruction

REPORT NO. 09156

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)	82.6	74.6	85	80
2	Compressor Room of Kiln-3	dB(A)	79.5	72.4		
3	DG Set- Kiln- 4,5&6	dB(A)	67.4	61.5		
4	Nr. Ground Hopper (Raw Material) of Kiln- 4,5,6	dB(A)	65.2	57.3		
5	Nr. Compressor Room of Kiln-4&5	dB(A)	81.5	73.4		
6	Nr. Compressor Room of Kiln-6	dB(A)	82.7	75.6		
7	DG Set – Kiln-1,2,3 & FBB-1	dB(A)	69.5	62.7		
8	T.G. Room of WHRB- 1&2	dB(A)	81.4	73.6		
9	Nr. T.G. Area FBB-1	dB(A)	80.2	72.6		
10	T.G. Room of FBB-2&3	dB(A)	81.7	73.1		
11	Compressor Room of FBB- 2&3	dB(A)	80.1	73.6		
12	DG Set – FBB- 2&3	dB(A)	68.1	61.5		
13	T.G. Room of FBB- 4&5	dB(A)	81.2	73.2		
14	T.G. Room of FBB- 6&7	dB(A)	83.3	75.3		
15	Compressor Room of FBB- 4,5,6&7	dB(A)	79.6	71.5		
16	Coal Handling plant of FBB- 4,5,6&7	dB(A)	71.5	63.3		
17	DG Set – FBB – 4,5,6&7	dB(A)	69.3	61.4		
18	IFD – Shed – 1 Furnace Area	dB(A)	71.4	63.1		

Ultimate
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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

REPORT NO. 09156

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)	70.3	61.4	85	80
20	IFD – Shed – 3 Furnace Area	dB(A)	72.7	63.4		
21	IFD – Shed – 4 Furnace Area	dB(A)	68.1	61.6		
22	IFD – Shed – 5 Furnace Area	dB(A)	68.4	61.5		
23	IFD – Shed – 6 Furnace Area	dB(A)	69.5	63.2		
24	IFD – Shed – 7 Furnace Area	dB(A)	71.9	63.1		
25	DG Set – IFD – Shed – 1&2 Shed – 7	dB(A)	70.2	62.3		
26	DG Set – IFD - Shed – 3	dB(A)	71.7	63.5		
27	DG Set – IFD - Shed – 4,5 & Shed – 6	dB(A)	72.1	64.6		
28	Oxygen Plant Area	dB(A)	80.2	73.4		
29	Nr. Furnace Area of SAF- 1&2	dB(A)	70.3	61.7		
30	Nr. Furnace Area of SAF- 3&4	dB(A)	71.4	62.6		
31	Nr. Furnace Area of SAF- 5&6	dB(A)	69.5	62.2		
32	Nr. Furnace Area of SAF- 7	dB(A)	70.2	62.7		
33	Nr. Furnace Area of SAF- 8&9	dB(A)	71.5	63.7		
34	DG Set – SAF- 1 to 9	dB(A)	68.1	60.2		
35	Sinter Plant Area	dB(A)	64.7	57.3		
36	Pump House Compressor Room	dB(A)	82.6	74.1		
37	DG Set – Nr. Central Store	dB(A)	71.5	63.3		
38	Nr. S.T.P.	dB(A)	69.5	61.7		

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.*

23/8/24

REVIEWED BY

ULTIMATE ENVIROLYTICAL SOLUTIONS

For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

AUTHORIZED SIGNATORY

Ends of the test report

Annexure - LR

Prakash Industries Limited Champa

PRE-EMPLOYMENT & PERIODIC MEDICAL EXAMINATION REPORT - FORM 21

Date : 02-01-24 Dt_Pr. MED : NJ Date of [illegible] 02-01-2024

Employee's Name MANISH KUMAR Age 29 Sex MALE

Code No. S5238 Division/Section ~~AP OPER ENGINEER~~ Intercom/Mob. 8770529918

(1) GENERAL EXAMINATION :

HEIGHT : 170 CM, WEIGHT : 68 KG, BMI 23.5 kg/m²

CHEST : INSPIRATION ..... CM, EXPIRATION : ..... CM,

BUILT - AVERAGE / STRONG / POOR - AVERAGE

THROAT Normal, TONGUE Clean, TONSILS Nmo

TEETH Clean, GUMS Strong, THYROID Normal

LYMPH NODES Normal

ADDITIONAL FINDINGS No

(2) CARDIO-VASCULAR SYSTEM :

PULSE : 80 b. / MIN. REGULAR / IRREGULAR PERIPHERAL PULSE - FELT / NOT FELT

B.P. 120/80 mm of Hg.

HEART SOUND : Rhythmic

MURMUR IF ABY : No

ADDITIONAL FINDING (S), IF ANY -

(3) RESPIRATORY SYSTEM :

SHAPE OF CHEST : Semi undict

CHEST MOVEMENT : Active

TRACHEA : Normal

BREATH SOUNDS : Clear

(4) GASTRO-INTESTINAL SYSTEM :

LIVER Nmo SPLEEN : Nmo

ANY ABDOMINAL LUMPS : No

(5) EXAMINATION OF EYES :

EXTERNAL EXAM. Normal SQUINT : Absent

NNYSTAGMUS : NO

COLOUR VISION - NORMAL / DEFECTIVE FUNDUS (L) (R)

INDIVIDUAL COLOUR IDENTIFICATION : NORMAL / DEFECTIVE

DISTANT VISION (WITHOUT GLASSES)

RIGHT Ce/12 LEFT Ce/12

DISTANT VISION (WITH GLASSES)

RIGHT Ce/6 LEFT Ce/6

NEAR VISION (WITHOUT GLASSES)

RIGHT N/6 LEFT N/6

NEAR VISION (WITH GLASSES)

RIGHT LEFT

NIGHT BLINDNESS (NYCTALOPIA) : No

(6) EXAMINATION OF EAR, NOSE & THROAT :

EXTERNAL EXAM : Normal

(7) GENITO URINARY SYSTEM :

HERNIA : No HYDROCELE / VARICOCELE No

CRYPTORICHIDISM No PHIMOSIS No VARICOS VEINS No SIGNS OF STD

OTHER EXAMINATION FOR FEMALE : MENSTRUAL HISTORY OBSTETRIC HISTROY MENARCHE AT

..... YRS GRAVIDA ..... PARA ..... LMP .....

MENSTRUAL IRREGULARITY, IF ANY .....

Prakash Industries Ltd. Champa (C.G.)

INVESTIGATIONS

(8) LAB INVESTIGATIONS :

URINE : ALBUMIN Nil SUGAR Nil

MICROSCOPY P. CELL 2-3 HPF STOOL

HAEMOGRAM E. CELL 1-3 HPF

BLOOD GROUP : O RH FACTOR : +ve Hb 15.2 g% TLC 7.5X/cmm RBC 4.90 X/cmm

Platelets Count : 225X10⁹/L DLC % Neu: 60.6 Lym: 32.4 Eal: 1.7 Mon: 5.1 Bas: 0.2

LIPID PROFILE

Serum cholesterol : 229 mg/dl Triglycerides 194 mg/dl

HDL 28 mg/dl LDL 68 mg/dl

HEPATIC PROFILE

SGPT : 17 U/L SGOT : 26 U/L

Alkaline Phosphatase : 81 U/L

RENAL PROFILE

Blood Urea : 33 mg/dl S/Creatinine : 0.9 mg/dl

METABOLIC

Blood Sugar-F : 94 mg/dl Blood Sugar-PP : 110 mg/dl S/uricacid : 8.2

(9) OTHER INVESTIGATIONS

X-Ray Chest (In normal persons once in three years, X-Ray 2024 in case of any abnormality X-Ray can be done at shorter Intervals).

ECG (In case of any abnormality further tests should be carried out) normal

Ultra Sound Whole abdomen (In normal persons once in three years in case of any abnormality can be done at shorter intervals) not done

Others :

(10) PULMONARY FUNCTION TEST

	FVC	FEV1	FVC/FEV1
Predicted	3.60	3.06	84.93
Measured	3.02	2.50	82.96
% of Prediction	84	82	98

Remarks : normal

(11) Audiometry examination - (PTA of both ears at frequency of 125, 250, 500, 1000, 2000, 4000, 8000 Cycles per second)

RT:	20	DB	LT:	21.42	DB

Remarks : normal

(12) Medical examination of canteen staff

a- Blood examination for venereal disease and routine blood examination

b- Stool and urine examination for worm infection

c- Screeing of skin diseeese (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

Nidhi

rity

Medical Pvt. Ltd.

025238 - MANISH KUMAR

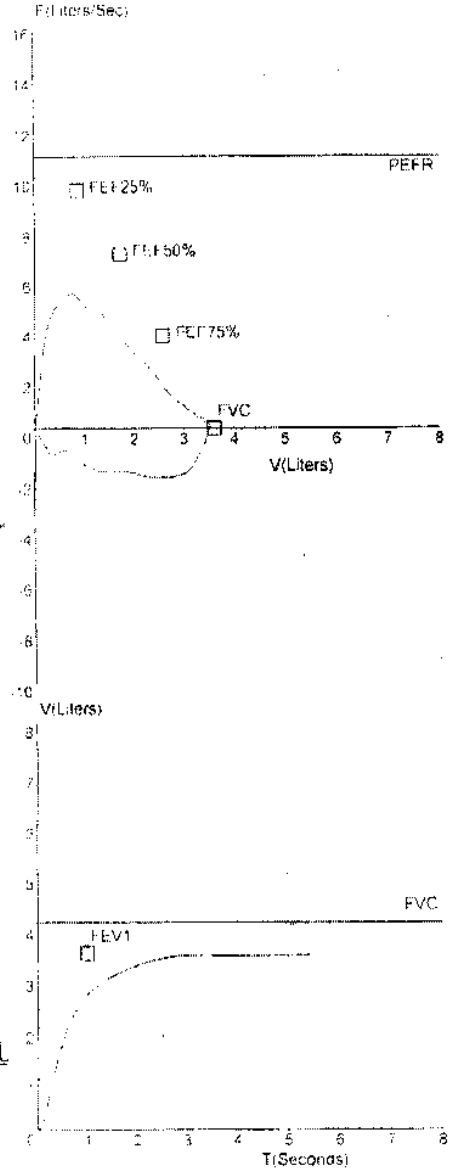
29 Years / Male / Ht 170 Cms /68 Kgs / Non-Smoker

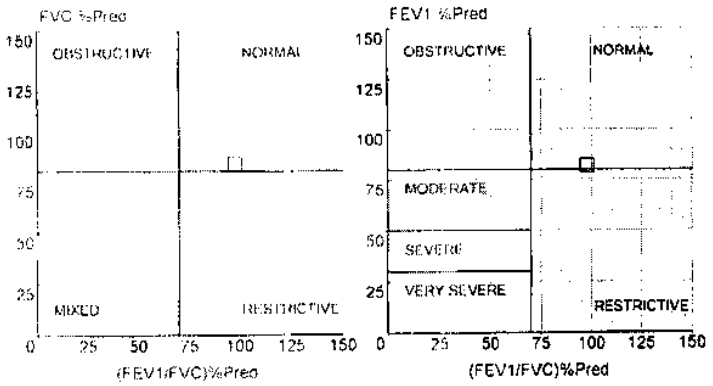
FVC TEST

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

Date 02-01-2024 (T1) Ref By : NONE

Parameter		Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.60	3.02	84	--	--	--
FEV1	[L]	3.06	2.50	82	--	--	--
FEV.5	[L]	--	1.85	--	--	--	--
FEV3	[L]	3.50	2.50	72	--	--	--
FEV6	[L]	--	--	--	--	--	--
FEF25	[L/s]	9.26	4.61	50	--	--	--
FEF25-75	[L/s]	4.44	3.04	68	--	--	--
FEF75-85	[L/s]	--	1.04	--	--	--	--
FEF.2-1.2	[L/s]	7.64	4.07	53	--	--	--
FEF25%	[L/s]	8.10	4.87	60	--	--	--
FEF50%	[L/s]	5.95	3.30	55	--	--	--
FEF75%	[L/s]	3.17	1.27	40	--	--	--
FEV.5/FVC	[%]	--	61.28	--	--	--	--
FEV1/FVC	[%]	84.93	82.96	98	--	--	--
FEV3/FVC	[%]	97.00	82.96	86	--	--	--
FEV6/FVC	[%]	--	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--	--
FET	[S]	--	4.77	--	--	--	--
ExplTime	[S]	--	0.19	--	--	--	--
LungAge	[Y]	29.00	34.00	117	--	--	--
FIVC	[L]	--	2.96	--	--	--	--
PIFR	[L/s]	--	1.66	--	--	--	--
PIF25%	[L/s]	--	5.15	--	--	--	--
PIF50%	[L/s]	--	3.49	--	--	--	--
PIF75%	[L/s]	--	1.86	--	--	--	--
FIV.5	[L]	--	0.02	--	--	--	--
FIV1	[L]	--	0.21	--	--	--	--
FIV3	[L]	--	2.75	--	--	--	--
FIV.5/FIVC	[%]	--	0.53	--	--	--	--
FIV1/FIVC	[%]	--	7.26	--	--	--	--
FIV3/FIVC	[%]	--	93.19	--	--	--	--





- 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 :

NONE
NA

OCCUPATIONAL HEALTH CENTRE

PRAKASH INDUSTRIES LTD. CHAMPA - 495671 (C.G.)
Contact : 07819 283452/3472

DR. LOKENDER KUMAR LAGAR
M.D.(PHYSICIAN)
Reg. No.37618

PATIENT NAME : MANISH KUMAR DATE : 02-01-2024

CODE NO : S5238 SEX : MALE AGE : 30

X-RAY CHEST PA VIEW

Both lung field are clear

Trachea & medlastnum are central

Both c.p angles are clear

Both hilar densities are normal

CT Ratio is normal

Bony cage is normal.

IMPRESSION: NORMAL X-RAY CHEST PA VIEW

DR. LOKENDER LAGAR
M.D.(PHYSICIAN)

Prakash Industries Limited Champa

PRE-EMPLOYMENT & PERIODIC MEDICAL EXAMINATION REPORT - FORM 21

Date : 03-01-24 Dt_Pr. MED : NJ Date of JNG 03-01-2024

Employee's Name GULSHAN PANDEY Age 28 Sex MALE

Code No. S5240 Division/Section PP OPER ENGINEER Intercom/Mob. 9587527384

(1) GENERAL EXAMINATION :

HEIGHT 174 CM, WEIGHT : 85 KG, BMI 28.1 kg/m²

CHEST : INSPIRATION ..... CM, EXPIRATION : ..... CM,

BUILT - AVERAGE / STRONG / POOR - AVERAGE

THROAT Normal, TONGUE Clean, TONSILS Nil

TEETH Well, GUMS Strong, THYROID Normal

LYMPH NODES Normal

ADDITIONAL FINDINGS .....

(2) CARDIO-VASCULAR SYSTEM :

PULSE : 77 b. /MIN. REGULAR / IRREGULAR PERIPHERAL PULSE - FELT / NOT FELT

B.P. 120/70 mm of Hg.

HEART SOUND : Rhythmic

MURMUR IF ABY : .....

ADDITIONAL FINDING (S), IF ANY - No

(3) RESPIRATORY SYSTEM :

SHAPE OF CHEST : Semi cendal

CHEST MOVEMENT : Active

TRACHEA : Normal

BREATH SOUNDS : Clear

(4) GASTRO-INTESTINAL SYSTEM :

LIVER Nil SPLEEN : Nil

ANY ABDOMINAL LUMPS : No

(5) EXAMINATION OF EYES :

EXTERNAL EXAM. Normal SQUINT : Absent

NNYSTAGMUS : NO

COLOUR VISION - NORMAL / DEFECTIVE FUNDUS (L) (R)

INDIVIDUAL COLOUR IDENTIFICATION : NORMAL / DEFECTIVE

DISTANT VISION (WITHOUT GLASSES)

RIGHT Co/6 LEFT Co/6

DISTANT VISION (WITH GLASSES)

RIGHT ..... LEFT .....

NEAR VISION (WITHOUT GLASSES)

RIGHT N/6 LEFT N/6

NEAR VISION (WITH GLASSES)

RIGHT ..... LEFT .....

NIGHT BLINDNESS (NYCTALOPIA) : No

(6) EXAMINATION OF EAR, NOSE & THROAT :

EXTERNAL EXAM : Normal

(7) GENITO URINARY SYSTEM :

HERNIA : No HYDROCELE / VARICOCELE No

CRYPTORICHIDISM No PHIMOSIS No VARICOS VEINS No SIGNS OF STD

OTHER EXAMINATION FOR FEMALE : MENSTRUAL HISTORY OBSTETRIC HISTROY MENARCHE AT

..... YRS GRAVIDA ..... PARA ..... LMP .....

MENSTRUAL IRREGULARITY, IF ANY .....

Prakash Industries Ltd. Champa (C.G.)

INVESTIGATIONS

(8) LAB INVESTIGATIONS :

URINE : ALBUMIN ..... NIL ..... SUGAR ..... NIL .....

MICROSCOPY ..... P: CELL 2-3 /HPF ..... STOOL .....

HAEMOGRAM E. CELL 1-3 /HPF

BLOOD GROUP : O ..... RH FACTOR : +ve ..... HB : 14.9 gm% TLC : 12.2 X 10^3 cells/cmm RBC : 4.44 X 10^{12} /L

Platelets Count : 242 X 10^9/L DLC % Neu: 69.7 Lym: 16.1 Eos: 8.3 Mon: 5.8 Bas: 0.1

LIPID PROFILE

Serum cholesterol : 145 mg/dl ..... S/Triglycerides ..... 82 mg/dl .....

HDL ..... 44 mg/dl ..... LDL ..... 75 mg/dl .....

HEPATIC PROFILE

SGPT : 21 U/L ..... SGOT : 23 U/L .....

Alkaline Phosphatase : 77 U/L .....

RENAL PROFILE

Blood Urea : 23 U/L ..... S/Creatinine : 1.0 mg/dl .....

METABOLIC

Blood Sugar-F : 92 mg/dl ..... Blood Sugar-PP : 100 mg/dl ..... S/uricacid : 4.3 mg/dl

(9) OTHER INVESTIGATIONS

X-Ray Chest (In normal persons once in three years, ... January 2024 ..... In case of any abnormality X-Ray can be done at shorter intervals).

ECG (In case of any abnormality further tests should be carried out) ..... normal .....

Ultra Sound Whole abdomen (In normal persons once in three years in case of any abnormality can be done at shorter intervals) ..... Not Done .....

Others : .....

(10) PULMONARY FUNCTION TEST

	FVC	FEV1	FVC/FEV1
Predicted	3.82	3.24	84.91
Measured	3.25	3.23	99.52
% of Prediction	85	100	117

Remarks : ..... Normal .....

(11) Audiometry examination - (PTA of both ears at frequency of 125, 250, 500, 1000, 2000, 4000, 8000 Cycles per second)

RT:	17.14	DB	LT:	16.42	DB

Remarks : ..... Normal .....

(12) Medical examination of canteen staff

a- Blood examination for venereal disease and routine blood examination .....

b- Stool and urine examination for worm infection .....

c- Screeing 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

Nidhi

Chhorm

arity

y Medical Pvt. Ltd.

23025240 - GULSHAN PANDEY

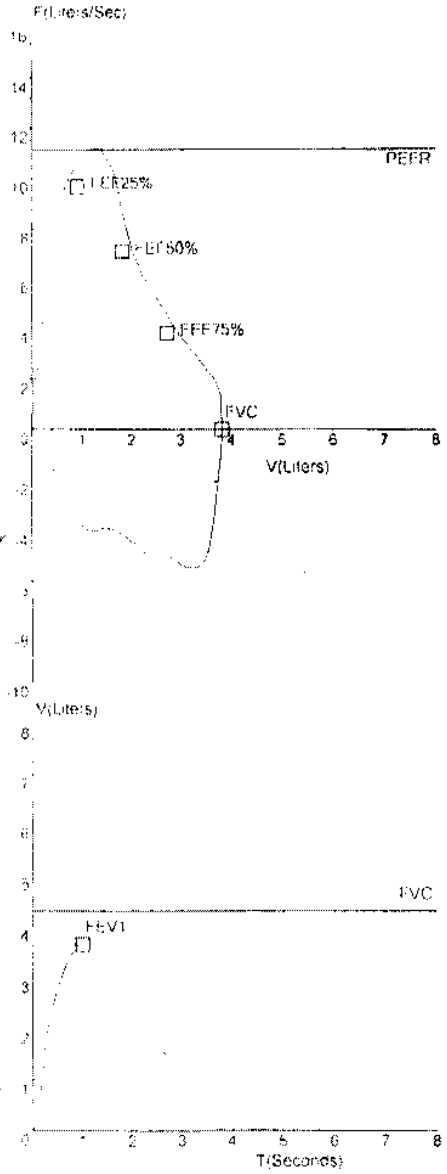
28 Years / Male / Ht 174 Cms /85 Kgs / Non-Smoker

FVC TEST

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

Date: 03-01-2024 (T1) Ref By : NONE

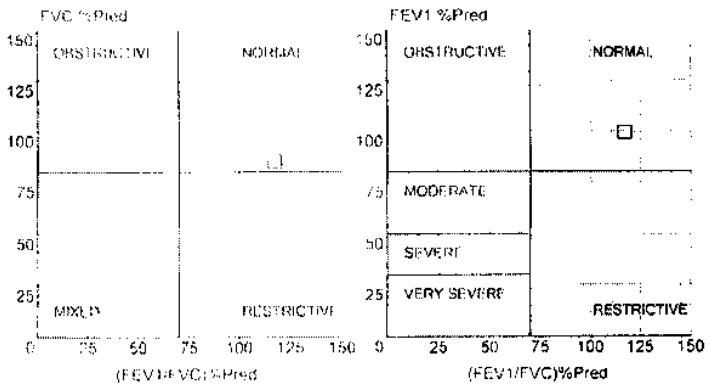
Parameter		Pred	Pre	Pre%	Post	Post%	Imp%
	[L]	3.82	[illegible]	85	--	--	--
[illegible]	[L]	3.24	[illegible]	100	--	--	--
FEV 5	[L]	--	2 86	--	--	--	--
FEV3	[L]	3 70	-	--	--	--	--
FEV6	[L]	--	--	--	--	--	--
[illegible]	[L/s]	9.5	[illegible]	131	--	--	--
FEF25-75	[L/s]	4 56	7 00	154	--	--	--
FEF75-85	[L/s]	--	3 11	--	--	--	--
FEF 2-1.2	[L/s]	7 91	8 04	102	--	--	--
FEF25%	[L/s]	8 26	10 71	130	--	--	--
FEF50%	[L/s]	6 08	7 69	126	--	--	--
FEF75%	[L/s]	3.27	3 72	114	--	--	--
FEV.5/FVC	[%]	--	87.90	--	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	117	--	--	--
FEV3/FVC	[%]	97 00	--	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--	--
FET	[S]	--	0.73	--	--	--	--
ExplTime	[S]	--	0 19	--	--	--	--
LungAge	[Y]	28 00	28 00	100	--	--	--
FIVC	[L]	--	2 95	--	--	--	--
PIFR	[L/s]	-	4 72	--	--	--	--
PIF25%	[L/s]	--	9 78	--	--	--	--
PIF50%	[L/s]	--	10 16	--	--	--	--
PIF75%	[L/s]	--	5 56	--	--	--	--
FIV.5	[L]	--	1 77	--	--	--	--
FIV1	[L]	--	-	--	--	--	--
FIV3	[L]	--	--	--	--	--	--
FIV.5/FIVC	[%]	--	59 98	--	--	--	--
FIV1/FIVC	[%]	-	-	--	--	--	--
FIV3/FIVC	[%]		--	--	--	--	--



- Pre Medication Report :
  Spirometery within Normal range as FVC% >= 80 And FEV1/FVC% > 70

- Pre COPD Severity Report:
  Pre Test within Normal range

- Doctor's Comments :



NONE

NA

OCCUPATIONAL HEALTH CENTRE

PRAKASH INDUSTRIES LTD. CHAMPA - 495671 (C.G.)
Contact : 07819 283452/3472

DR. LOKENDER KUMAR LAGAR
M.D.(PHYSICIAN)
Reg. No.37618

PATIENT NAME : GULSHAN PANDEY DATE : 03-01-2024

CODE NO : S5240 SEX : MALE AGE : 28

X-RAY CHEST PA VIEW

Both lung field are clear

Trachea & medlastnum are central

Both c.p angles are clear

Both hilar densities are normal

CT Ratio is normal

Bony cage is normal.

IMPRESSION: NORMAL X-RAY CHEST PA VIEW

DR. LOKENDER LAGAR
M.D.(PHYSICIAN)

Prakash Industries Ltd. Champa (C.G.)

Prakash Industries Limited Champa

PRE-EMPLOYMENT & PERIODIC MEDICAL EXAMINATION REPORT - FORM 21

Date : 12-Mar-24 DT.Prev: 21-Mar-23 DOJ : 01-Sep-00 X_ray: 2023 M_ID : MC23100114

Employee's Name : INDRA PAL SINGH Desn.: SR. FITTER Age : 49 Sex : M

Code No . W0813 Division/Section : I.F.D. -12TON - MECHANICAL Intercom/Mob: 9977807679

(1).GENERAL EXEMINATION :

HEIGHT :	165 CM	THROAT :	CLEAN	THYROID :	NONPALPABLE
WEIGHT :	61 KG	TONGUE :	CLEAN	LYMPH NODES :	NP
BMI :	22.41 kg/m^2	TONSILS :	NORMAL	ADDITIONAL FINDINGS :	RIGHT LEG DEFFECTIVE AFFECTED BY POLIO VIRUS
CHEST: INSPIRATION :	98 CM	TEETH :	CLEAN		
EXPIRATION :	94 CM	GUM :	CLEAN		
BUILT :	AVERAGE				

(2).CARDIO-VASCULAR SYSTEM:

PULSE : 90 MIN.REGULAR MURMUR IF ANY :

B.P : 100/60 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/18	LEFT: N/18
NEAR VISION (WITH GLASS)	RIGHT: N/	LEFT: N/
NIGHT BLINDNESS(NYCTALOPIA)	NO	

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

EXTERNAL EXAM :

(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

Nidhi

S5076

Checked By

Employee Signature

INVESTIGATIONS

M_ID : MC23Y00[illegible]

(8).LAB INVESTIGATIONS :

(a).Urine (Routine)

URINE : ALBUMIN : NIL

SUGAR : NIL

(b).Urine (Microscopy):

PUS_CELL: 1-2
RBC:
EPITHELIAL_CELL: 1-2
Others:

(c) Stool (Microscopy):

PUS_CELL:
RBC:
EPITHELIAL_CELL:
Others:

(I) Haemogram:

BLOOD_GROUP:	O
RH_FACTOR:	POSITIVE
HB:	13.2 g/dl
TLC:	5800 x10 ^(9/L)
RBC:	4.19 x10^ (12/L)
PLATELETS_COUNT:	184 x10^(9/L)
DLC_NEU:	62.4
LYM:	28.2
ESI:	3.7
MON:	5.1
BAS:	0.6

(ii) Lipid Profile:

SERUM_CHOLESTEROL:	126 mg/dl
S-TRIGHLYCERIDES:	113 mg/dl
HDL:	30 mg/dl
LDL:	90 mg/dl

(iii) Hepatic Profile:

SGOT:	27 U/L
SGPT:	28 U/L
ALKALINE PHOSPHATASE:	85 U/L

(iv) Renal Profile:

BLOOD UREA:	24 mg/dl
S/CREATININE:	0.9 mg/dl

(v) Metabolic :

BLOOD_SUGAR_F:	94 mg/dl
BLOOD_SUGAR_PP:	133 mg/dl
S/URICACID:	3.4 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	3.07	2.44	79.41
Measured	3.01	2.75	91.20
% of Predication	98	113	115

Remarks :

(11).AUDIOMETRY EXAMINATION :

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

RT : 21.42 DB LT: 22.14 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 -

15/10/2024

Signature(with date) of Factory Medical Officer

S3278

Lab Entry By

Clarity

Clarity Medical Pvt. Ltd.

24010813 - INDRA PAL SINGH

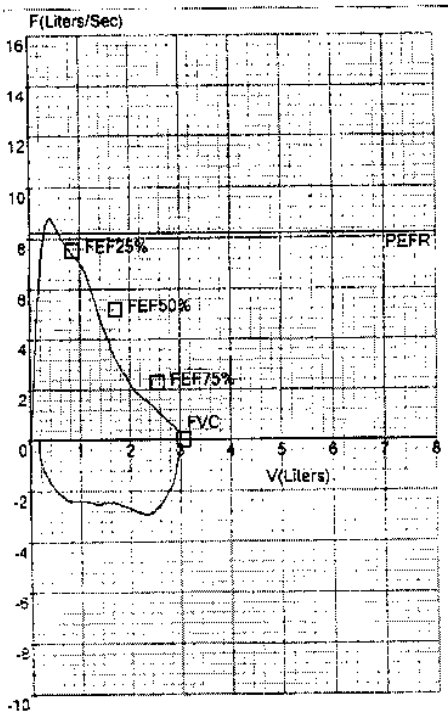
49 Years / Male / Ht 165 Cms /61 Kgs / Non-Smoker

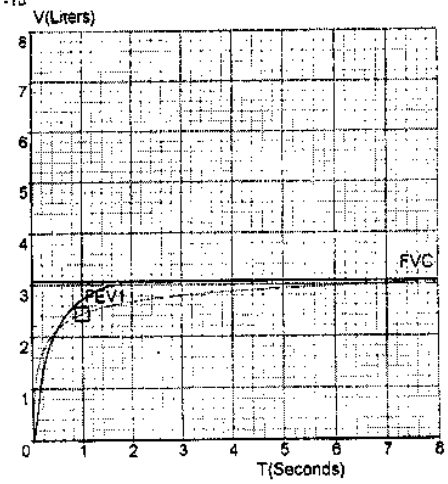
FVC TEST

Date: 12-03-2024 (T1)

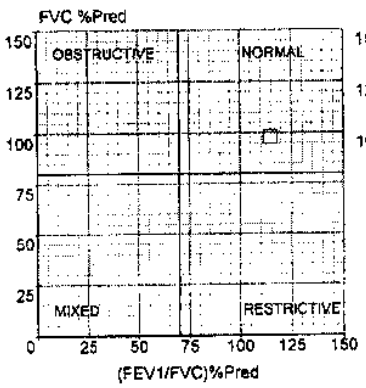
Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C

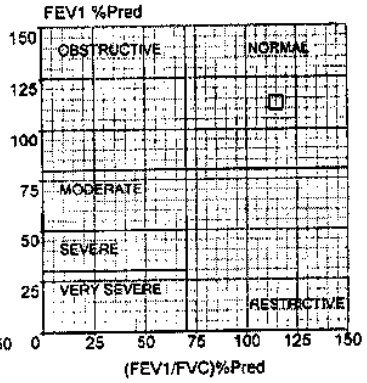
Ref By : NONE





Parameter		Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.07	3.01	98	--	--	--
FEV1	[L]	2.44	2.75	113	--	--	--
FEV.5	[L]	--	2.20	--	--	--	--
FEV3	[L]	2.98	--	--	--	--	--
FEV6	[L]	--	--	--	--	--	--
PEFR	[L/s]	8.18	8.82	108	--	--	--
FEF25-75	[L/s]	3.44	4.58	133	--	--	--
FEF75-85	[L/s]	--	1.45	--	--	--	--
FEF.2-1.2	[L/s]	6.02	7.38	122	--	--	--
FEF25%	[L/s]	7.53	8.63	115	--	--	--
FEF50%	[L/s]	5.22	4.76	91	--	--	--
FEF75%	[L/s]	2.28	1.68	74	--	--	--
FEV.5/FVC	[%]	--	72.90	--	--	--	--
FEV1/FVC	[%]	79.41	91.20	115	--	--	--
FEV3/FVC	[%]	97.00	--	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--	--
FET	[S]	--	1.58	--	--	--	--
ExplTime	[S]	--	0.06	--	--	--	--
LungAge	[Y]	49.00	43.00	88	--	--	--
FIVC	[L]	--	2.83	--	--	--	--
PIFR	[L/s]	--	2.94	--	--	--	--
FIF25%	[L/s]	--	8.81	--	--	--	--
FIF50%	[L/s]	--	6.19	--	--	--	--
FIF75%	[L/s]	--	2.55	--	--	--	--
FIV.5	[L]	--	1.01	--	--	--	--
FIV1	[L]	--	2.24	--	--	--	--
FIV3	[L]	--	--	--	--	--	--
FIV.5/FIVC	[%]	--	35.52	--	--	--	--
FIV1/FIVC	[%]	--	79.15	--	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--	--





- Pre Medication Report :

Spirometery within Normal range as FVC% >= 80 And FEV1/FVC% > 70

- Pre COPD Severity Report:

Pre Test within Normal range

- Doctor's Comments :

NONE

NA

Prakash Industries Limited Champa

PRE-EMPLOYMENT & PERIODIC MEDICAL EXAMINATION REPORT - FORM 21

Date : 12-Mar-24 **DT.Prev:** 04-Apr-23 **DOJ :** 22-Feb-21 **X_ray:** 2023 **M_ID :** MC23Y00105

Employee's Name : PUSHPENDRA KUMAR MISHRA **Desn.:** FITTER **Age :** 32 **Sex :** M

Code No . W2488 **Division/Section :** I.F.D -15TON(N) - MECHANICAL **Intercom/Mob:** 7898336040

(1).GENERAL EXEMINATION :

HEIGHT :	170 CM	THROAT :	CLEAN	THYROID :	NONPALPABLE
WEIGHT :	63 KG	TONGUE :	CLEAN	LYMPH NODES :	NP
BMI :	21.80 kg/m^2	TONSILS :	NORMAL	ADDITIONAL FINDINGS :	NAD
CHEST: INSPIRATION :	80 CM	TEETH :	CLEAN		
EXPIRATION :	77 CM	GUM :	CLEAN		
BUILT :	AVERAGE				

(2).CARDIO-VASCULAR SYSTEM:

PULSE : 80 MIN.REGULAR MURMUR IF ANY :

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/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

Nidhi

S5076

Checked By

Employee Signature

INVESTIGATIONS

M_ID : MC23Y00105

(8).LAB INVESTIGATIONS :

(a).Urine (Routine)

URINE : ALBUMIN : NIL

SUGAR : NIL

(b).Urine (Microscopy):

PUS_CELL: 2-3

RBC:

EPITHELIAL_CELL: 1-2

Others:

(c) Stool (Microscopy):

PUS_CELL:

RBC:

EPITHELIAL_CELL:

Others:

(i) Haemogram:

BLOOD_GROUP:	SELECT
RH_FACTOR:	SELECT
HB:	12.9 g/dl
TLC:	5.1 x10 ^(9/L)
RBC:	3.62 x10^ (12/L)
PLATELETS_COUNT:	137 x10^(9/L)
DLC_NEU:	35.6
LYM:	53.3
ESI:	6.4
MON:	4.6
BAS:	0.1

(ii).Lipid Profile:

SERUM_CHOLESTEROL:	122 mg/dl
S-TRIGHLYCERIDES:	114 mg/dl
HDL:	29 mg/dl
LDL:	87 mg/dl

(iii) Hepatic Profile:

SGOT:	30 U/L
SGPT:	35 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:	87 mg/dl
BLOOD_SUGAR_PP:	138 mg/dl
S/URICACID:	5.5 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	3.58	3.00	84.17
Measured	3.30	3.03	91.62
% of Predication	93	101	109

Remarks :

(11).AUDIOMETRY EXAMINATION:

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

RT : 19.28 DB LT: 20 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 scheddles of rule 407 of C.G. factories rules 1962 -

31.3.2021.

Signature (with date) of Factory Medical Officer

S3278

Lab Entry By

Clarity

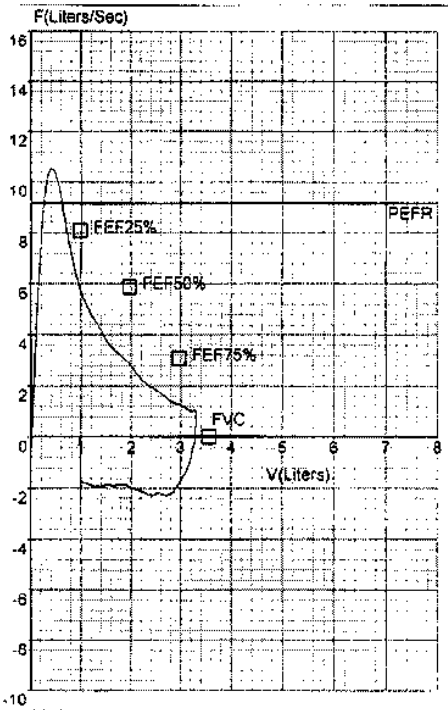
Clarity Medical Pvt. Ltd.

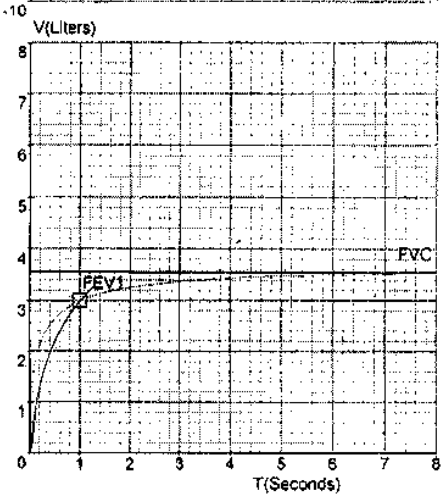
24012488 - PUSHPENDRA KUMAR MISHRA
32 Years / Male / Ht 170 Cms /63 Kgs / Non-Smoker

FVC TEST

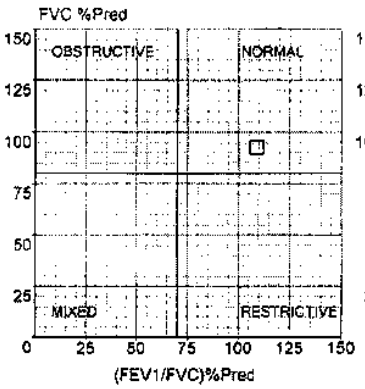
Date: 12-03-2024 (T1)

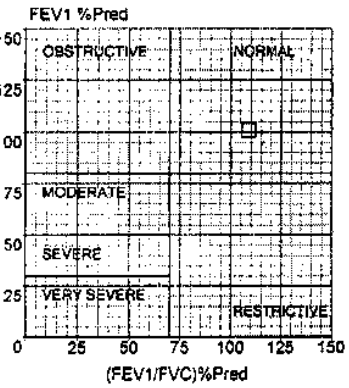
Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : NONE





Parameter		Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.56	3.30	93	--	--	--
FEV1	[L]	3.00	3.03	101	--	--	--
FEV.5	[L]	--	2.25	--	--	--	--
FEV3	[L]	3.46	--	--	--	--	--
FEV6	[L]	--	--	--	--	--	--
PEFR	[L/s]	9.13	10.52	115	--	--	--
FEF25-75	[L/s]	4.30	3.75	87	--	--	--
FEF75-85	[L/s]	--	1.66	--	--	--	--
FEF.2-1.2	[L/s]	7.43	7.53	101	--	--	--
FEF25%	[L/s]	8.04	7.55	94	--	--	--
FEF50%	[L/s]	5.86	3.74	64	--	--	--
FEF75%	[L/s]	3.05	1.92	63	--	--	--
FEV.5/FVC	[%]	--	68.21	--	--	--	--
FEV1/FVC	[%]	84.17	91.62	109	--	--	--
FEV3/FVC	[%]	97.00	--	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--	--
FET	[S]	--	1.26	--	--	--	--
ExplTime	[S]	--	0.06	--	--	--	--
LungAge	[Y]	32.00	32.00	100	--	--	--
FIVC	[L]	--	2.32	--	--	--	--
PIFR	[L/s]	--	2.31	--	--	--	--
FIF25%	[L/s]	--	10.84	--	--	--	--
FIF50%	[L/s]	--	6.02	--	--	--	--
FIF75%	[L/s]	--	3.89	--	--	--	--
FIV.5	[L]	--	0.52	--	--	--	--
FIV1	[L]	--	1.56	--	--	--	--
FIV3	[L]	--	--	--	--	--	--
FIV.5/FIVC	[%]	--	22.27	--	--	--	--
FIV1/FIVC	[%]	--	67.20	--	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--	--





- **Pre Medication Report :**
  Spirometery within Normal range as FVC% >= 80 And FEV1/FVC% > 70

- **Pre COPD Severity Report:**
  Pre Test within Normal range

- **Doctor's Comments :**

NONE
NA

ANNEXURE – X

EXPENSES INCURRED FOR ENVIRONMENTAL MANAGEMENT
(For the period of October 2023 to March 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.	8.66	8.66
	(A) Sub total Rs.	**8.66**	**8.66**
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.	119.98	119.98
	(B) Sub total Rs.	**119.98**	**119.98**
C.	**Solid/Hazardous Waste Management.**		
1	Disposal of Solid Wastes.	522.62	522.62
	(C) Sub total Rs.	**522.62**	**522.62**
D.	**Other Areas.**		
1	Environment Cell.	3.02	3.02
2	Plantation (New Plantation + Maintenance of Existing one).	36.96	36.96
3	Construction of Pucca Roads and drains.	11.97	11.97
4	Housekeeping work.	476.78	476.78
5	Road sweeping machine running and maintenance cost.	4.74	4.74
6	ISO 14001 and ISO 45001 implementation.	0.50	0.50
	(D) Sub total Rs.	**533.97**	**533.97**
	GRAND TOTAL of (A+B+C+D) Rs.	**1185.23**	**1185.23**

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.

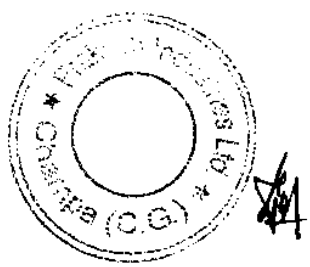
(II) Power

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.

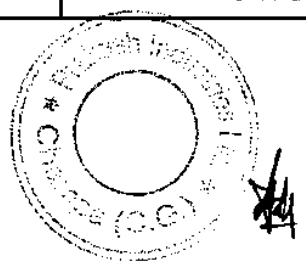


(IV) Ferro Alloys

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	Ferroalloy 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.

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.

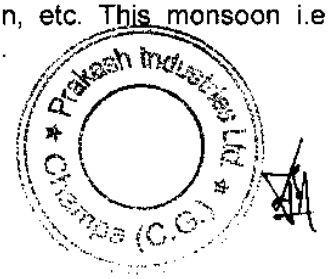
4. Green Belt:

From 1991 to December 2009 we had planted approx.1,86,640 saplings and from January 2010 to December 2023 approx. 1,40,000 saplings. Thus, the total number of saplings which we have planted and survived are approx. 3.26 Lacs. During the monsoon of 2023, 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

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.



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.