Ref: RIL/ ENV/COMPLAINCE/ 24-25 Date : 23.05.2024

To, The Scientist – E, Ministry of Environment, Forest and Climate Change, Sub Office, Kolkata IB – 198, Sector – III, Salt Lake City, <u>Kolkata – 700106.</u>

Ref: Environmental Clearance letter no. - F.No. J-11011/14/2008-IA II (I) dt. 3rd June, 2009

Subject: Submission of Six-Monthly Compliance Report for the period of October – 2023 to March – 2024 for Environmental Compliance Status of M/s Ramsarup Industries Limited (formerly Ramsarup Loh Udyog Ltd.), Industrial Estate Kharagpur, Dist. - Paschim Medinipur, West Bengal.

#### Respected Madam/Sir,

We are submitting herewith the Six-Monthly Environmental Compliance Report status for the period of **October - 2023 to March - 2024** for the condition as stated in Environmental Clearance letter of M/s Ramsarup Industries Limited, Industrial Estate Kharagpur, Dist. - Paschim Medinipur, West Bengal as mentioned above.

Kindly find the enclosed herewith Six-Monthly Compliance Report along with required Annexures for the period of October 2023 to March 2024.

Thanking You.

Regards For Ramsarup Industries Limited, Kharagpur

Prashant Kumar (Authorized Signatory)

CC:

- 1. IRO Bhubaneshwar.
- 2. EIM Cell, West Bengal Pollution Control Board, Parivesh Bhawan, Kolkata
- 3. West Bengal Pollution Control Board, Haldia Regional Office.

Tata Metaliks Road, Rakha Jungle, Saha Chowk, Kharagpur Dist.: West Midnapore-721301, West Bengal CIN No. : U65993WB1979PLCO32113GST No.: 19AACCR2821D1ZP

Email Id : prashantbhardwaj@shyamgroup.com

# **ENVIRONMENTAL COMPLIANCE REPORT**

## Environmental Clearance letter No. F. No. J-11011/14/2008-IA II (I) dt. 3rd June, 2009

Compliance Report Period 1st October-2023 to 31st March-2024

Your (Environment Clearance) application	has been Submitted with following details
Proposal No	RLUL/MOEF/FC/01
Compliance ID	70440346
Compliance Number(For Tracking)	EC/M/COMPLIANCE/70440346/2024
Reporting Year	2024
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	23-05-2024
IRO Name	ARTATRANA MISHRA
IRO Email	jhk109@ifs.nic.in
State	WEST BENGAL
IRO Office Address	Integrated Regional Offices, Kolkata
Note:- SMS and E-Mail has been sent to ARTATRANA MISH	RA WEST BENGAL with Notification to Project Proponent

Note:- SMS and E-Mail has been sent to ARTATRANA MISHRA, WEST BENGAL with Notification to Project Proponent.

	01 Jun(01	Compliance Report 2024 Oct - 31 Mar) wledgment	
Proposal Name		Ramsarup Industries Limi Udyog Ltd. )	ited ( Formerly Ramsarup Loh
Name of Entity / Corporat	e Office	Sumit Chakraborty	
Village(s)		N/A	
District		MEDINIPUR WEST	
Proposal No.	RLUL/MOEF/FC/01	Category	Industrial Projects - 1
Plot / Survey / Khasra	N/A	Sub-District	N/A
No.		Entity's PAN	AACCR2821D
State	WEST BENGAL		RAMSARUP
MoEF File No.	J-11011/14/2008-IA II (I)	Entity name as per PAN	INDUSTRIES LIMITED

## **Compliance Reporting Details**

<b>Reporting Year</b>	2024
Remarks (if any)	
<b>Reporting Period</b>	01 Jun(01 Oct - 31 Mar)

## **Details of Production and Project Area**

Name of Entity / Corporate Office Sumit Chakraborty

	Project Area as per EC Granted	Annual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

## **Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Sponge Iron (DRI)	Tons per Annum (TPA)	28/02/2029	300000	0	150000
2	Blast Furnace	Tons per Annum (TPA)	N/A	575000	0	0
3	Pig Iron	Tons per Annum (TPA)	N/A	350000	0	0
4	Hot Metal from EAF Shop	Tons per Annum (TPA)	N/A	683200	0	0
5	Hot Metal from LRF	Tons per Annum (TPA)	N/A	683200	0	0
6	Billet from Billet Caster	Tons per Annum (TPA)	N/A	663000	0	0
7	Captive Power Plant (WHRB)	MW	28/02/2029	25	0	12.5
8	Captive Power Plant (BF Gas Fired Boiler)	MW	N/A	15	0	0
9	Captive Power Plant (CFBC Boiler)	MW	N/A	25	0	0
10	Sinter	Tons per Annum (TPA)	N/A	960000	0	0
11	Oxygen Plant	Cu.M/Hr	N/A	7300	0	0
12	Rolling Mill Products	Tons per Annum (TPA)	N/A	800000	0	0

## Conditions

## Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Effort shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Continuous stack monitoring facility for all the stacks shall be provided and sufficient air pollution control devices shall be provided to keep the emission

		provided so that process can be automatically stopped emission level exceeds the limit.	in case
Electro Raw M the en plant.	Material handling area, product separ nission level within limit. Continuou	ed with DRI stack unit and cold ESP is connected with ration building, charcoal silo & product bunker etc. to keep as stack monitoring systems is already installed with DRI one by third-party. Copy of third party ambient air	Date: 23/05/2024
2	AIR QUALITY MONITORING AND PRESERVATION	Vehicular pollution due to transportation of raw mate finished product shall be controlled. Proper arrangement be made to control dust emission during loading and un raw material and finished product.	nts should als
Vehico provid		of raw material and finished product will be controlled by stem. Sprinkling system / Mist cannon system will be ng area and finished product area.	Date: 23/05/2024
3	AIR QUALITY MONITORING AND PRESERVATION	In-plant control measures for checking fugitive emissivulnerable sources shall be provided. Dry fog dust suppressive shall be provided to BF stock house. Dust extra with bag filter shall be provided at various dust generation including transfer points. Water spraying system shall control fugitive emissions in captive power plant. Dust system shall be provided in raw material preparation pl dust emission from storage, transportation and raw materias shall be controlled by water sprinkling and other suppression measures.	pression ction system tion points be provided t suppression ant. Fugitive erial handlin
Dry fo ESP is produo sprink	s connected with Raw Material hand ct bunker, transfer points etc of DRI ling system has been provided to co	rovided to BF stock house at the time of operation. Cold ling area, product separation building, charcoal silo, . to control fugitive emissions and dust suppression. Water ntrol the fugitive emission, it is now under rational once the plant operation started.	Date: 23/05/2024
4	WATER QUALITY MONITORING AND PRESERVATION	Total ground water requirement from the Kharagpur water supply system shall not exceed 720 m3/hr and pe 1600 m3/hr is obtained. Process waste water shall be tr Effluent Treatment Plant (ETP). Clarifies, thickener, sl shall be provided to raw water treatment plant and blas cleaning plant. Acidic effluent from demineralization p neutralized in neutralization pit. Settling tank filled wit grease traps shall be used for treatment of effluent from and hot rolling mills. All the treated wastewater shall b reused in the process to the maximum extent possible a either in the process or for slag granulation, dust suppro greenbelt development, etc.	ermission for eated in udge pond t furnace gas dant shall be h oil and h billet caster e recycled ar and reused
		is under process and it will be complied once the plant lant (ETP) will be installed for treatment of wastewater	Date:

5	WATER QUALITY MONITORING AND PRESERVATION	Ground water monitoring around the solid waste disp secured landfill (SLF) shall be carried out regularly an submitted to the Ministry's Regional Office at Bhuban and WBPCB.	nd report
	<b>Submission:</b> Being Complied and water monitoring will be done on reg	gular basis once the plant will be in operation.	Date: 23/05/2024
6	WASTE MANAGEMENT	All the char / dolochar from DRI plant shall be utiliz boiler of power plant and no char shall be disposed off CFBC boiler shall be installed simultaneously along-w plant to ensure full utilization of char from the beginn blast furnace (BF) slag shall be granulated and provide manufacturers for further utilization. BF flue dust, BF dusts, mill scales, sinter plant dust and DRI fines shall and used Sinter plant. Scrap shall be recycled back to melting shop. SMS slag shall also be properly utilized solid wastes including broken refractory mass shall be disposed off in the environment -friendly manner. Oil- lubricants shall be provided to authorized recyclers/rep properly disposed off an per Hazardous Waste (Manag Handling) Rules, 1989 and subsequent amendments.	f anywhere else vith the DRI ing. All the ed to cement sludge EAF be recycled the steel . All the other properly y waste / processors or
Noted		r will be installed in future. After commissioning of the	
plant fines accore	will be installed, the management of Bl etc. will be done accordingly. Scrap wi dingly. Broken refractory will be dispos	d provided to cement manufacturers. Once the Sinter F Flue dust, BF sludge, EAF dusts, mill scales, DRI Il be reused in SMS and SMS slag shall be utilized sed properly. Oily waste / lubricants will be properly ved vender (West Bengal Waste Management Limited.)	Date: 23/05/2024
plant fines accore dispos	will be installed, the management of Bl etc. will be done accordingly. Scrap wi dingly. Broken refractory will be dispos	F Flue dust, BF sludge, EAF dusts, mill scales, DRI Il be reused in SMS and SMS slag shall be utilized sed properly. Oily waste / lubricants will be properly	23/05/2024 labour within such as fuel fo ter, medical m of temporary
plant fines of accord dispose 7 7 <b>PPs</b> Accord	will be installed, the management of Bl etc. will be done accordingly. Scrap wi dingly. Broken refractory will be dispo- sed off through WBPCB / CPCB appro Human Health Environment	F Flue dust, BF sludge, EAF dusts, mill scales, DRI Il be reused in SMS and SMS slag shall be utilized sed properly. Oily waste / lubricants will be properly ved vender (West Bengal Waste Management Limited.) The company shall provide housing for construction the site with all necessary infrastructure and facilities a cooking, mobile toilets, mobile STP, safe drinking wa health care, creche etc. The housing may be in the forr structures to be removed after the completion of the pr	23/05/2024 labour within such as fuel fo ter, medical m of temporary roject. Date:
plant fines of accord dispose 7 7 <b>PPs</b> Accor provid	will be installed, the management of Bl etc. will be done accordingly. Scrap wi dingly. Broken refractory will be dispo- sed off through WBPCB / CPCB appro Human Health Environment	F Flue dust, BF sludge, EAF dusts, mill scales, DRI Il be reused in SMS and SMS slag shall be utilized sed properly. Oily waste / lubricants will be properly ved vender (West Bengal Waste Management Limited.) The company shall provide housing for construction the site with all necessary infrastructure and facilities a cooking, mobile toilets, mobile STP, safe drinking wa health care, creche etc. The housing may be in the forr structures to be removed after the completion of the pr	23/05/2024 labour within such as fuel fo ter, medical m of temporary roject. Date: 23/05/2024 nd no Domestic llowed by soal
plant fines a accord dispose 7 <b>PPs</b> Accor provid 8 <b>PPs</b> Zero I premi	will be installed, the management of Bl etc. will be done accordingly. Scrap wi dingly. Broken refractory will be dispo- sed off through WBPCB / CPCB appro Human Health Environment Submission: Complied mmodation facility for labours along w ded. Photographs of the Accommodation WATER QUALITY MONITORING AND PRESERVATION Submission: Being Complied Liquid Discharge (ZLD) is strictly follo ises. Domestic wastewater will be treated	F Flue dust, BF sludge, EAF dusts, mill scales, DRI Il be reused in SMS and SMS slag shall be utilized sed properly. Oily waste / lubricants will be properly ved vender (West Bengal Waste Management Limited.) The company shall provide housing for construction the site with all necessary infrastructure and facilities a cooking, mobile toilets, mobile STP, safe drinking wa health care, creche etc. The housing may be in the forr structures to be removed after the completion of the pr ith drinking water & toilet, canteen facility have been in facility and Canteen is attached. Zero" effluent discharge shall be strictly followed an wastewater shall be discharged outside the premises. I effluent shall be appropriately treated in septic tank for	23/05/2024 labour within such as fuel fo ter, medical m of temporary roject. Date: 23/05/2024 nd no Domestic llowed by soal mises. Date:
plant fines a accord dispose 7 <b>PPs</b> Accor provid 8 <b>PPs</b> Zero I	will be installed, the management of Bl etc. will be done accordingly. Scrap wi dingly. Broken refractory will be dispo- sed off through WBPCB / CPCB appro Human Health Environment Submission: Complied mmodation facility for labours along w ded. Photographs of the Accommodation WATER QUALITY MONITORING AND PRESERVATION Submission: Being Complied Liquid Discharge (ZLD) is strictly follo ises. Domestic wastewater will be treated	F Flue dust, BF sludge, EAF dusts, mill scales, DRI Il be reused in SMS and SMS slag shall be utilized sed properly. Oily waste / lubricants will be properly ved vender (West Bengal Waste Management Limited.) The company shall provide housing for construction the site with all necessary infrastructure and facilities a cooking, mobile toilets, mobile STP, safe drinking wa health care, creche etc. The housing may be in the forr structures to be removed after the completion of the pr ith drinking water & toilet, canteen facility have been on facility and Canteen is attached. Zero" effluent discharge shall be strictly followed an wastewater shall be discharged outside the premises. I effluent shall be appropriately treated in septic tank fo pit and used for green belt development within the pre	23/05/2024I labour withinsuch as fuel foter, medicalm of temporaryroject.Date:23/05/2024nd noDomesticllowed by soalmises.Date:23/05/2024Fly Ash

10	WATER QUALITY MONITORING AND PRESERVATION	The water consumption should not exceed 16m3/Top prescribed standard.	n of steel as pe
	Submission: Agreed to Comply and will be complied accordingly.		Date: 23/05/2024
11	WASTE MANAGEMENT	Proper handling, storage, utilization and disposal of a waste shall be ensured and regular report regarding to content in the waste material and its composition, end solid/hazardous waste shall be submitted to Ministry's Office at Bhubaneshwar, CPCB and WBPCB	tic metal use of
Proper		osal of all the solid waste shall be ensured as per TCLP egional Office at Bhubaneshwar, CPCB and WBPCB.	Date: 23/05/2024
12	WASTE MANAGEMENT	Coal and coke fines shall be recycled and reused in t Iron ore, fluxes, mill scales etc. shall be recycled to sin produce sinter.	
Once th	Submission: Agreed to Comply ne Sinter plant will be installed, coal an mill scales etc. shall be recycled accord	d coke fines shall be recycled/reused and iron ore, dingly.	Date: 23/05/2024
13	WASTE MANAGEMENT	All the slag including from EAF and SMS shall be u filling inside the plant or used as building material onl through Toxic Chemical Leachability Potential (TCLF slag shall be disposed in a secured landfill as per CPC). Otherwise hazardous substances shall be recovered from output waste and be disposed in secured landfill as per guidelines.	y after passin ) test. Toxic B guidelines. om the slag an
Present EAF &	SMS, all the slag will be used for land	After installation and followed by commissioning of filling or used as building material after TCLP test. / CPCB approved vender for proper disposal.	Date: 23/05/2024
14	GREENBELT	Green belt shall be developed in 33% area within and plant premises to mitigate the effects of fugitive emiss CPCB guidelines in consultation with DFO.	
	Submission: Complied ted condition has been complied and m	aintained accordingly.	Date: 23/05/2024
15	WASTE MANAGEMENT	A time bound action plan shall be submitted to reduce its proper utilization and disposal.	e solid waste
		waste, its proper utilization and disposal. The same is	Date: 23/05/2024
16	Corporate Environmental Responsibility	All the recommendations made in the Charter of Con Responsibility for Environment Protection (CREP) for shall be implemented	
	Submission: Being Complied ndition is being complied.		Date: 23/05/2024
	Address: IA Divisio	n, Ministry of Environment, Forest and Climate Change,	Page

17	AIR QUALITY MONITORING AND PRESERVATION	Electrostatic precipitator (ESP) shall be provided to I CFBC Boiler, WHRB and Sinter plant to control emiss 100 mg/Nm3. Hot gases from DRI kiln shall be passed settling chamber (DSC) to remove coarse solid and Aft Chamber (ABC) to burn CO completely and used in W Recovery Boiler (WHRB). The gas then shall be cleane before leaving out in the atmosphere through ID fan an extraction system with bag filter shall be provided to st shop (SMS). Stack of adequate height shall be provided mill, BG gas fired boiler and blast furnace stoves to con less than 100 mg/Nm3.	ion less than through dust er Burning aste Heat ed in ESP d stack. Fume eel melting l to rolling
Electros before la After Bu After Bu and injec chamber connecta pollution commiss	eaving out in the atmosphere through I urning Chamber (ABC) is connected to urning Chamber to collect the fugitive ct to After Burning Chamber (ABC) to is connected with WHRB to generate ed with ESP. Steel Melting Shop, Roll n control device along with adequate s sioning of plant and machineries to co	en connected with DRI kiln & WHRB to clean the gas D fan and stack. Dust Settling Chamber (DSC) & DRI. A dust injection ID fan is also attached with dust & particulate matter from intermediate bin (I-bin) b burn CO & Particulate Matter completely. ABC power from the hot gases of DRI kiln. WHRB is ing Mill and Blast Furnace is not yet installed. Air tack height shall be installed at the time of ntrol the emission level within the stipulated limit. Il be connected when the Sinter plant will be installed.	Date: 23/05/2024
18	AIR QUALITY MONITORING AND PRESERVATION	Data on ambient air quality, stack emission and fugiti shall be uploaded on company's website and also regula on-line to the Ministry's Regional Office at Bhubanesh Bengal Pollution Control Board (WBPCB) and Central Control Board (CPCB) as well as hard copy on every s Data on SPM, SO2, and NOx shall also be displayed pr outside the premises at the appropriate place for the inf general public.	arly submitted war, West Pollution ix months. rominently
Link of (Apr 202 Bhuband monitor March 2	23 - Sept 2023) has been submitted thr eshwar and Integrated Regional Office ing report of Ambient Air & Noise qua	netalics.com Previous half-yearly compliance report rough mail to Ministry's Regional Office at at Kolkata, EIM cell of WBPCB, along with ality. Monitoring report for the period of Oct 2023 - losed as Annexure – 1. Display board is already rd is enclosed as Annexure – 2.	Date: 23/05/2024
19	AIR QUALITY MONITORING AND PRESERVATION	Gaseous emission levels including secondary fugitive from all the sources shall be controlled within the lates limits issued by the Ministry and regularly monitored. Code of Practice issued by CPCB shall be followed. No issued by the Ministry for the sponge iron plant in May followed.	t permissible Guidelines / ew standards
Noted an	<b>abmission:</b> Being Complied ad compiling accordingly. Guidelines for the sponge iron plant in May, 200	issued by CPCB and new standards issued by the 18, will be followed.	Date: 23/05/2024
General C	onditions		
Sr.No.	Condition Type	Condition Details	
1	Statutory compliance	The project authority shall adhere to the stipulations in Bengal Pollution Control Board (WBPCB) and State G	

	<b>Submission:</b> Agreed to Comply and will be followed accordingly.		Date: 23/05/2024
2	Statutory compliance	No further expansion and modification of the plant out without prior approval of the Ministry.	shall be carried
	<b>Submission:</b> Agreed to Comply and will be followed accordingly.		Date: 23/05/2024
3	AIR QUALITY MONITORING AND PRESERVATION	The gaseous from various process units shall confo load/mass based standards notified by the Ministry of 1993 and standards prescribed from time to time. The Pollution Control Board (WBPCB) may specify more standards for the relevant parameters keeping in view the industry and its size and location.	n 19th May, e West Bengal e stringent
	1	nits will be monitored by third party once the plant is in	Date: 23/05/2024
4	Statutory compliance	A separate environment management cell to carry of management and monitoring functions shall be set up control of Senior Executive	
	Submission: Complied onment Cell is created & governed	under senior executive. Environmental Cell is attached	Date: 23/05/2024
5	Statutory compliance	The Regional Office of this Ministry at Bhubanesh WBPCB shall monitor the stipulated conditions. A si compliance report and the monitored data along with interpretations shall be submitted to them regularly.	x monthly
	<b>Submission:</b> Being Complied eing compiled.		Date: 23/05/2024
6	Statutory compliance	The Ministry may revoke or suspend the clearance implementation of any of the above conditions is not	
	Submission: Agreed to Comply		Date: 23/05/2024
PPs Noted		Any appeal against this environmental clearance sh National Environment Appellate Authority, if prefer period of 30 days as prescribed under Section 11 of t Environment Appellate Act, 1997	red within a
Noted	Statutory compliance Submission: Agreed to Comply	National Environment Appellate Authority, if preferr period of 30 days as prescribed under Section 11 of t	red within a

PPs S Noted	Submission: Agreed to Comply	2	Date: 23/05/2024
9	AIR QUALITY MONITORING AND PRESERVATION	Ambient air quality monitoring stations shall be set us statutory requirement in consultation with the WBPCE quality including ambient noise levels shall not exceed stipulated under EPA or by the State authorities. Moni ambient air quality and shall be carried out regularly in with WBPCB and data submitted to the CPCB and WI regularly. The instruments used for ambient air quality shall be calibrated time to time.	<ol> <li>Ambient air d the standard itoring of n consultation BPCB</li> </ol>
Ambien from la to twely authori	st 10 Years. Reinstallation of Ambient ve months from operation. Presently Am	he plant was in operation. The Plant is not in operation Air Quality station will be done within a period of six mbient Air Quality monitoring has been done by cates that Ambient air quality including ambient noise the monitoring report is attached .	Date: 23/05/2024
10	Noise Monitoring & Prevention	The overall noise levels in and around the plant area well within the standards (85 dBA) by providing noise measures including acoustic hoods, silencers etc. on al noise generation. The ambient noise level shall confor standards prescribed under Environmental (Protection) Rule, 1989 viz 75 dBA (day time) and 70 dBA (night t	e control Il sources of m to the ) Act, 1986
Ambieı project third pa	site i.e. near admin building, near gate arty. Monitoring reports indicated that r	our locations in both day and night time inside the no. 3, near CPP and near labour colony by authorized noise levels are within the stipulated limit. Report is	Date: 23/05/2024
Ambieı project	nt Noise monitoring has been done in for site i.e. near admin building, near gate arty. Monitoring reports indicated that r	no. 3, near CPP and near labour colony by authorized	23/05/2024
Ambien project third pa attache 11 <b>PPs S</b> Occupa	nt Noise monitoring has been done in for site i.e. near admin building, near gate arty. Monitoring reports indicated that r d. Human Health Environment Submission: Complied	no. 3, near CPP and near labour colony by authorized noise levels are within the stipulated limit. Report is Occupational health surveillance of the workers shal	23/05/2024
Ambien project third pa attache 11 <b>PPs S</b> Occupa Report	nt Noise monitoring has been done in fo site i.e. near admin building, near gate arty. Monitoring reports indicated that r d. Human Health Environment Submission: Complied ational health surveillance of the worke	no. 3, near CPP and near labour colony by authorized noise levels are within the stipulated limit. Report is Occupational health surveillance of the workers shal regular basis and records maintained as per the Factori	23/05/2024 1 be done on ties Act. Date: 23/05/2024 ponsibility for
Ambien project third pa attache 11 <b>PPs S</b> Occupa Report 12 <b>PPs S</b>	nt Noise monitoring has been done in for site i.e. near admin building, near gate arty. Monitoring reports indicated that r d. Human Health Environment Submission: Complied ational health surveillance of the worke is attached. Corporate Environmental	no. 3, near CPP and near labour colony by authorized noise levels are within the stipulated limit. Report is Occupational health surveillance of the workers shal regular basis and records maintained as per the Factori rs has been done at regular interval Health checkup All the recommendations made in the Corporate Res Environment Protection (CREP) of CPCB issued for the	23/05/2024 1 be done on ies Act. Date: 23/05/2024 ponsibility for he steel plant Date:
Ambien project third pa attache 11 <b>PPs S</b> Occupa Report 12 <b>PPs S</b>	nt Noise monitoring has been done in for site i.e. near admin building, near gate arty. Monitoring reports indicated that r d. Human Health Environment Submission: Complied ational health surveillance of the worke is attached. Corporate Environmental Responsibility Submission: Agreed to Comply	no. 3, near CPP and near labour colony by authorized noise levels are within the stipulated limit. Report is Occupational health surveillance of the workers shal regular basis and records maintained as per the Factori rs has been done at regular interval Health checkup All the recommendations made in the Corporate Res Environment Protection (CREP) of CPCB issued for the	23/05/2024 1 be done on a ies Act. Date: 23/05/2024 ponsibility for he steel plant Date: 23/05/2024 Date: 23/05/2024
Ambien project third pa attache 11 <b>PPs S</b> Occupa Report 12 <b>PPs S</b> Noted a 13 <b>PPs S</b>	nt Noise monitoring has been done in for site i.e. near admin building, near gate arty. Monitoring reports indicated that r d. Human Health Environment Submission: Complied ational health surveillance of the worke is attached. Corporate Environmental Responsibility Submission: Agreed to Comply and will be complied. WATER QUALITY MONITORING AND PRESERVATION Submission: Complied ater Harvesting system was implemented	no. 3, near CPP and near labour colony by authorized noise levels are within the stipulated limit. Report is Occupational health surveillance of the workers shal regular basis and records maintained as per the Factori rs has been done at regular interval Health checkup All the recommendations made in the Corporate Res Environment Protection (CREP) of CPCB issued for the shall be implemented	23/05/2024 1 be done on ies Act. Date: 23/05/2024 ponsibility for he steel plant Date: 23/05/2024 ictures to

Housek	on regular interval. Pictorial evidence	lar basis. Occupational health check-up has also ce of health check and occupational health centre is	Date: 23/05/2024
15	Corporate Environmental Responsibility	The company shall undertake Eco-development me community welfare measures in the project area	easures includin
Some C	ly and we are yet to start the plant, so hs to 3 lakhs. Now for FY 24-25 bud	s been taken up, Since the plant is not in operation o a minimum expenditure done till date which is around lget around 5 to 8 lakhs has been taken for community	Date: 23/05/2024
16	Statutory compliance	All the environment management measures given i shall be implemented and complied with.	n the EIA/EMP
	Submission: Agreed to Comply and will be complied.		Date: 23/05/2024
17	MISCELLANEOUS	As proposed, 8 to 10 % and 2-3 % of the total proje 17,574.00 Lakhs shall be earmarked toward the capit cost/annum for environment pollution control measu judiciously to implement the conditions stipulated by Environment and Forests as well as State Government provided shall not be diverted for any other purpose.	al cost recurring res and used the Ministry of
The pla	Submission: Agreed to Comply ant has been taken over through NCL lowed accordingly.	LT in May 2022. The stipulated condition will be adhere	Date: 23/05/2024
18	Statutory compliance	The Project Authority shall inform the Regional Of the Ministry, the date of financial closure and final a project by the concerned authorities and the date of c land development work	pproval of the
The pla		after our financial proposal has been duly accepted by oser and final approval of the project was required.	Date: 23/05/2024
19	Statutory compliance	The project proponent shall inform the public that to been accorded environment clearance by the ministry the clearance letter are available with the W.B. Pollu Board and may also be seen at Website of the Minist Environment and Forests at http:/envfor.nic.in This s advertised within seven days from the date of issue of letter at least in two local newspapers that are widely region of which one shall be in the vernacular langua concerned and a copy of the same shall be forwarded office at Bhubaneswar.	y and copies of tion Control ry of hall be of the clearance circulated in th age of the locality
The pla previou 2022. F previou	is proponent. Present management / Present management / proponent beli	The latest EC was obtained on 03.06.2009 by the proponent have taken the plant through NCLT on May ieves that the copy of public notification was given by the of the same advertisement was available with the able with present proponent.	Date: 23/05/2024

Address: IA Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh New Delhi - 110003

		further condition(s) on receiving reports The above conditions shall be monitored this Ministry located at Bhubaneswar	
PPs S Noted	<b>ubmission:</b> Agreed to Comply		Date: 23/05/2024
21	Statutory compliance	Any other conditions or alteration in the have to be implemented by the project at manner	
PPs S Noted	<b>ubmission:</b> Agreed to Comply		Date: 23/05/2024
		Visit Remarks	

Last Site Visit Report Date:	N/A
Additional Remarks:	

### Half Yearly Compliance Report

#### Name of Industry - M/s. Ramsarup Industries Limited (Formerly Ramsarup Lohh Udyog Ltd.), Industrial Estate Kharagpur, Dist. - Paschim Medinipur, West Bengal

#### Reference No. F.No. J-11011/14/2008-IA II (I), Dated: 3rd June, 2009

#### **Compliance Period – October 2023 to March 2024**

S. N.	Conditions	Status
A	SPECIFIC CONDITIONS:	
i	Effort shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Continuous stack monitoring facility for all the stacks shall be provided and sufficient air pollution control devices shall be provided to keep the emission level below 100 mg/Nm3. 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.	Electrostatic Precipitator (ESP) is connected with DRI stack unit and cold ESP is connected with Raw Material handling area, product separation building, charcoal silo & product bunker etc. to keep the emission level within limit. Continuous stack monitoring systems is already installed with DRI plant. Ambient air monitoring had been done by third-party. Copy of third party ambient air monitoring report is attached as <b>Annexure-1</b> .
ii	Electrostatic precipitator (ESP) shall be provided to DRI kiln, CFBC Boiler, WHRB and Sinter plant to control emission less than 100 mg/Nm3. Hot gases from DRI kiln shall be passed through dust settling chamber (DSC) to remove coarse solid and After Burning Chamber (ABC) to burn CO completely and used in Waste Heat Recovery Boiler (WHRB). The gas then shall be cleaned in ESP before leaving out in the atmosphere through ID fan and stack. Fume extraction system with bag filter shall be provided to steel melting shop (SMS). Stack of adequate height shall be provided to rolling mill, BG gas fired boiler and blast furnace stoves to control emission less than 100 mg/Nm3.	Electrostatic precipitator (ESP) has already been connected with DRI kiln & WHRB to clean the gas before leaving out in the atmosphere through ID fan and stack. Dust Settling Chamber (DSC) & After Burning Chamber (ABC) is connected to DRI. A dust injection ID fan is also attached with After Burning Chamber to collect the fugitive dust & particulate matter from intermediate bin (I-bin) and inject to After Burning Chamber (ABC) to burn CO & Particulate Matter completely. ABC chamber is connected with WHRB to generate power from the hot gases of DRI kiln. WHRB is connected with ESP. Steel Melting Shop, Rolling Mill and Blast Furnace is not yet installed. Air pollution control device along with adequate stack height shall be installed at

S. N.	Conditions	Status
		the time of commissioning of plant and machineries to control the emission level within the stipulated limit.
		Sinter plant has not yet been installed. ESP will be connected when the Sinter plant will be installed.
iii	Data on ambient air quality, stack emission and fugitive emissions shall be uploaded on company's website and also regularly submitted on-line to the Ministry's Regional Office at Bhubaneshwar, West Bengal Pollution Control Board (WBPCB) and Central Pollution Control Board (CPCB) as well as hard copy on every six months. Data on SPM, SO2, and NOx shall also be displayed prominently outside the premises at the appropriate place for the information of general public.	Link of the company website is www.shyammetalics.com Previous half-yearly compliance report (Apr 2023 - Sept 2023) has been submitted through mail to Ministry's Regional Office at Bhubaneshwar and Integrated Regional Office at Kolkata, EIM cell of WBPCB, along with monitoring report of Ambient Air & Noise quality.
		Monitoring report for the period of Oct 2023 - March 2024 of the above said condition is enclosed as <b>Annexure – 1</b> . Display board is already installed at plant gate. Copy of the display board is enclosed as <b>Annexure – 2</b> .
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 CPCB shall be followed. New standards issued by the Ministry for the sponge iron plant in May, 2008 shall be followed.	
V	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements should also be made to control dust emission during loading and unloading of raw material and finished product.	Vehicular pollution due to transportation of raw material and finished product will be controlled by providing tarpaulin cover and sprinkler system. Sprinkling system / Mist cannon system will be installed at Raw material loading, unloading area and finished product area.
vi	In-plant control measures for checking fugitive emissiat Rawll the vulnerable sources shall be provided. Dry fog dust suppression system shall be provided to BF stock house. Dust extraction system with bag filter shall be provided at various dust generation points including	Dry fog dust suppression system will be provided to BF stock house at the time of operation.

S.	Conditions	Status
N.	transfer points. Water spraying system shall be provided to control fugitive emissions in captive power plant. Dust suppression system shall be provided in raw material preparation plant. Fugitive dust emission from storage, transportation and raw material handling areas shall be controlled by water sprinkling and other dust suppression measures.	Cold ESP is connected with Raw Material handling area, product separation building, charcoal silo, product bunker, transfer points etc of DRI. to control fugitive emissions and dust suppression. Water sprinkling system has been provided to control the fugitive emission, it is now under repairing/Renovation stage. It will be operational once the plant operation started.
vii	Total ground water requirement from the Kharagpur municipality water supply system shall not exceed 720 m3/hr and permission for 1600 m3/hr is obtained. Process waste water shall be treated in Effluent Treatment Plant (ETP). Clarifies, thickener, sludge pond shall be provided to raw water treatment plant and blast furnace gas cleaning plant. Acidic effluent from demineralization plant shall be neutralized in neutralization pit. Settling tank filled with oil and grease traps shall be used for treatment of effluent from billet caster and hot rolling mills. All the treated wastewater shall be recycled and reused in the process to the maximum extent possible and reused either in the process or for slag granulation, dust suppression, greenbelt development, etc.	Noted and Complied.Revamping of plant is under process and it will be complied once the plant will be in operation.Effluent Treatment Plant (ETP) will be installed for treatment of wastewater and to reuse in process, water sprinkling and greenbelt development.Treated raw water will be supplied by Kharagpur Municipal Corporation.Blast furnace gas cleaning plant will be installed at the time of commissioning of Blast Furnace.Neutralization pit is provided in demineralization plant.Settling tank filled with oil and grease
viii	Zero" effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises. Domestic effluent shall be appropriately treated in septic tank followed by soak pit and used for green belt development within the premises.	<ul> <li>traps will be installed at the time of commissioning of SMS and Rolling Mill.</li> <li>Zero Liquid Discharge (ZLD) is strictly followed and no wastewater will be discharged outside the premises.</li> <li>Domestic wastewater will be treated through Sewage Treatment Plant (STP) and used for plantation.</li> </ul>

S. N.	Conditions	Status
ix	The water consumption should not exceed 16m3/Ton of steel as per prescribed standard.	Noted and will be complied accordingly.
X	Ground water monitoring around the solid waste disposal site / secured landfill (SLF) shall be carried out regularly and report submitted to the Ministry's Regional Office at Bhubaneshwar, CPCB and WBPCB.	Ground water monitoring will be done on regular basis once the plant will be in operation.
xi	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003.	Noted and will be complied when FBC boiler will be installed in future.
xii	All the char / dolochar from DRI plant shall be utilized in CFBC boiler of power plant and no char shall be disposed off anywhere else. CFBC 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 granulated and provided to cement manufacturers for further utilization. BF flue dust, BF sludge EAF dusts, mill scales, sinter plant dust and DRI fines shall be recycled and used Sinter plant. Scrap shall be recycled back to the steel melting shop. SMS slag shall also be properly utilized. All the other solid wastes including broken refractory mass shall be properly disposed off in the environment -friendly manner. Oily waste / lubricants shall be provided to authorized recyclers/reprocessors or properly disposed off an per Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.	Noted and will be complied when FBC boiler will be installed in future. After commissioning of the Blast Furnace, BF slag will be granulated and provided to cement manufacturers. Once the Sinter plant will be installed, the management of BF Flue dust, BF sludge, EAF dusts, mill scales, DRI fines etc. will be done accordingly. Scrap will be reused in SMS and SMS slag shall be utilized accordingly. Broken refractory will be disposed properly. Oily waste / lubricants will be properly disposed off through WBPCB / CPCB approved vender (West Bengal Waste
xiii	Coal and coke fines shall be recycled and reused in the process. Iron ore, fluxes, mill scales etc. shall be recycled to sinter plant to produce sinter.	Management Limited.) Once the Sinter plant will be installed, coal and coke fines shall be recycled/reused and iron ore, fluxes, mill scales etc. shall be recycled accordingly.
xiv	All the slag including from EAF and SMS shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) test. Toxic slag shall be disposed in a secured landfill as per CPCB guidelines. Otherwise hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines.	Presently no EAF and SMS has been installed. After installation and followed by commissioning of EAF & SMS, all the slag will be used for land filling or used as building material after TCLP test. Toxic slag will be disposed through WBPCB / CPCB approved vender for proper disposal.
XV	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Action plan has been prepared to reduce solid waste, its proper utilization and

S. N.	Conditions	Status
		disposal. The same is attached as <b>Annexure</b> $-3$ .
xvi	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 shall be submitted to Ministry's Regional Office at Bhubaneshwar, CPCB and WBPCB	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured as per TCLP test and report will be submitted Ministry's Regional Office at Bhubaneshwar, CPCB and WBPCB.
xvii	Green belt shall be developed in 33% area within and around the plant premises to mitigate the effects of fugitive emissions as per the CPCB guidelines in consultation with DFO.	Stipulated condition has been complied and maintained accordingly.
xviii	All the recommendations made in the Charter of Corporate Responsibility for Environment Protection (CREP) for the steel plant shall be implemented	The condition is being complied.
xix	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Accommodation facility for labours along with drinking water & toilet, canteen facility have been provided. Photographs of the Accommodation facility and Canteen is attached as <b>Annexure – 4</b> .
B	GENERAL CONDITIONS:	
i	The project authority shall adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government.	Noted and will be followed accordingly.
ii	No further expansion and modification of the plant shall be carried out without prior approval of the Ministry.	Noted and will be followed accordingly.
iii	The gaseous from various process units shall conform to the load/mass based standards notified by the Ministry on 19th May, 1993 and standards prescribed from time to time. The West Bengal Pollution Control Board (WBPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	The gaseous load from various process units will be monitored by third party once the plant is in operation.
iv	Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	<ul><li>Ambient Air Quality station was there when the plant was in operation. The Plant is not in operation from last 10 Years.</li><li>Reinstallation of Ambient Air Quality station will be done within a period of six to twelve months from operation.</li><li>Presently Ambient Air Quality monitoring has been done by authorized</li></ul>

S. N.	Conditions	Status
14.		third party. Monitoring report indicates that Ambient air quality including ambient noise levels does not exceed the standards. Copy of the monitoring report attached as <b>Annexure-1</b> .
v	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rule, 1989 viz 75 dBA (day time) and 70 dBA (night time)	Ambient Noise monitoring has been done in four locations in both day and night time inside the project site i.e. near admin building, near gate no. 3, near CPP and near labour colony by authorized third party. Monitoring reports indicated that noise levels are within the stipulated limit. Report attached as <b>Annexure-1</b>
vi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers has been done at regular interval Health checkup Report is attached as <b>Annexure-5</b> .
vii	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	Noted and will be complied.
viii	All the recommendations made in the Corporate Responsibility for Environment Protection (CREP) of CPCB issued for the steel plant shall be implemented	Noted and will be complied.
ix	The company shall develop rainwater harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rainwater Harvesting system was implemented. Pictorial evidence of rainwater collection pond is annexed as <b>Annexure-6</b> .
X	Proper housekeeping and adequate occupational health programmes shall be taken up.	Housekeeping system has taken up on regular basis. Occupational health check- up has also started on regular interval. Pictorial evidence of health check and occupational health centre is annexed as <b>Annexure-7</b> .
xi	The company shall undertake Eco-development measures including community welfare measures in the project area	Some CSR activity like health check-up has been taken up, Since the plant is not in operation currently and we are yet to start the plant, so a minimum expenditure done till date which is around 2.5 lakhs to 3 lakhs. Now for FY 24-25 budget around 5 to 8 lakhs has been taken for community

S.	Conditions	Status
N.	Conditions	Status
xii	A separate environment management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive	Environment Cell is created & governed under senior executive. Environmental Cell is annexed as <b>Annexure-8</b> .
xiii	As proposed, 8 to 10 % and 2-3 % of the total project cost viz. Rs. 17,574.00 Lakhs shall be earmarked toward the capital cost recurring cost/annum for environment pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as State Government. The fund so provided shall not be diverted for any other purpose.	The plant has been taken over through NCLT in May 2022. The stipulated condition will be adhere and followed accordingly.
xiv	The Regional Office of this Ministry at Bhubaneshwar / CPCB / WBPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretations shall be submitted to them regularly.	It is being compiled.
XV	The Project Authority 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 commencing the land development work	The plant has been acquired through NCLT after our financial proposal has been duly accepted by the court therefore no separate financial closer and final approval of the project was required.
xvi	The project proponent shall inform the public that the project has been accorded environment clearance by the ministry and copies of the clearance letter are available with the W.B. Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at <u>http:/envfor.nic.in</u> This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers 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 Bhubaneswar.	The plant has been acquired through NCLT. The latest EC was obtained on 03.06.2009 by the previous proponent. Present management / proponent have taken the plant through NCLT on May 2022. Present management / proponent believes that the copy of public notification was given by the previous proponent in newspaper and copy of the same advertisement was available with the previous proponent only, but it is not available with present proponent.
7	The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional office of this Ministry located at Bhubaneswar	Noted
8	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory	Noted

S. N.	Conditions	Status
9	Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner	Noted
10	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997	
11	The above conditions shall be enforced, inter-alias under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	





# **Qualissure Laboratory Services**

NABL ACCREDITED, WBPCB & ISO 9001:2015 CERTIFIED LABORATORY

361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata - 700107 Email : qualissure@gmail.com Mob. No. : 9831287086 9830093976

DOC NO : QLS/SAMP/08-A/00

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Name &	Address Of the Cu	istomer :		Repor	rt No	).		: QLS/O	S/A/23-24/C/4	29
M/s. Ramsarup Industries Limited Kharagpur, West Medinipur,				Date			: 06.04.2024			
				Sample No.				: QLS/O	S/A/23-24/429	(A-D)
•••	aliks Road, Rakhju			Sample Description				: Ambie	nt Air Monitori	ng
	ur - 721301	0 /		Date of Performance(s)			: 30.03.	2024-06.04.202	24	
				Ref No. Date				: Verbal	Confirmation	
			An	alysis	s Re	<u>sult</u>				
Sampling	g Done by: Mr. S.G	ihosh & Team			S	ampling d	one as	per : CP	CB Guidelines (	Volume-1)
Environn	nental Condition :	Clear & Sunny			A	Average Te	mperat	ure : 30	°C	
			Particula	ate	Pai	rticulate	Sulp	ohur	Nitrogen	Carbon
			Matte			/latter	dioxide		dioxide	Monoxide
			(<10µm)		(<2.5µm)		(SO <sub>2</sub> )		(NO <sub>2</sub> )	(CO)
		_	in µg/m³		in μg/m <sup>3</sup>			g/m³	in µg/m³	in µg/m <sup>3</sup>
			Method of Test Reference           IS: 5182         IS: 5182         IS: 5182							16: 5102
Sample	Location		IS: 518	2	USEPA CFR-		182 t-2)-	IS: 5182 (Part- 6)-	IS: 5182 (Part- 10)	
No.		Sampling	(Part-23	(Part-23)-	40, Part-50,		•	(-2)- 01,	(Part- 6)- 2001,	(Part-10) :1999,
		(	(RA-2017)		Appendix-L			2017)	(RA-2017)	(RA-2014)
			Limit as per CPCB notification, New Delhi, 18 <sup>th</sup> November 2009, for							
			Ambient air quality							
			100			60	8	0	80	2000
429A	Near Admin Building	28.03.2024 -	92			51	12	2.4	32.1	984
429B	Near Gate No.3	28.03.2024 -	78			43	9	.2	30.3	961
429C	Labour Colony	81				45	11	L.5	33.7	892
429D	СРР	29.03.2024 -	75			40	1(	).8	28.6	938
NOTE:		· · · · · · · · · · · · · · · · · · ·					·			

Report Prepared By : A.

for Qualissure Laboratory Services borato **Reviewed & Authorized By** Broceri Benimadhab Gorai, Chemist (Authorized Signatory) Komata

-----End of Report-----

• The results relate only to the item(s) tested.

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• The reserved part of sample(s), except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report.



DOC NO : QLS/SAMP/08-C/00

	<u>TEST REPOR</u>		
Name & Address Of the Customer :	Report No.	: QLS/OS/A/23-24/C/430	
M/s. Ramsarup Industries Limited	Date	: 06.04.2024	
Kharagpur, West Medinipur,	Sample No.	: QLS/OS/A/23-24/430(A-D)	
Tata Metaliks Road, Rakhjungle,	Sample Description	: Noise Monitoring	
Kharagpur - 721301	Date of Performance	: 30.03.2024-06.04.2024	
	Ref No. Date	: Verbal Confirmation	
	Annitaring Decult	of Nicico	

#### Monitoring Result of Noise

Sampling Done By: Mr.S.Ghosh & Team

Sampling Guideline : As per IS: 9876: 1981 (RA-2001)

Sample No.	Date of Monitoring	Location	Maximum dB (A)	Minimum dB (A)	Average dB (A)
430A	28.03.2024	Near Admin Building	73.2	51.2	63.3
430B	28.03.2024	Near Gate No.3	68.1	55.2	61.8
430C	29.03.2024	Labour Colony	71.4	43.6	57.8
430D	29.05.2024	СРР	74.3	48.9	61.2

Note :

Code/ Category	Leq dB Day Time(A)	Leq dB Night Time(A)	
A/Industrial	75	70	NOTE:
B/Commercial	65	55	Day Time : 06.00 Hr. – 22.00 Hr.
C/Residential	55	45	Night Time : 22.00 Hr. – 06.00 Hr.
D/Ecological Sensitive	50	40	

Report Prepared By : Ch-'.

for Qualissure Laboratory Services **Reviewed & Authorized By** borato Britogeni Benimadhab Gorai, Chemist (Authorized Signatory) Komata

-----End of Report-----

• The results relate only to the item(s) tested.

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## Photograph of Display Board

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NO <sub>X</sub> Others			সালস্বার উই নেরাইড (১০.)		
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Others	mials'	Stock as on	<ul> <li>বিশন্তনক রসায়নিক গণার্থ রসায়নিক নাম ব্যবহার গর্মের রাসেরস প্রগ্রুজেরাসেরন রসায়নিক নাম ব্যবহার গর্মের রাসেরস প্রগ্রুজেরাসেরন রসায়নিক নাম ব্যবহার গরিমর রাসেরস প্রগ্রুজেরাসেরন রসায়নিক সংগ্র</li></ul>	m and a start of the	1 日 日期時代
5 Hazardous Che Name of the Chen	nicals Quentity used/Month Maximum Store	de Stock as un	The second state of the second	and the second second	mellines a suppl
		hage/bisposal Stock as on	<ul> <li>বিশাভনক বাঁটা গদা। বেগাভনক বাঁটাও নম বিধাতনক বাঁটাও নম</li> </ul>		同時對於條
6.Hazardous Wastes	us Wastes Genertion/Month Sto	Fride/Disposite Original	া ব পাচনের উন্নাগনের । বেন্দ্রিনের এইবেন্দ্রা সেন্দে বাইদে প্রতিয়ে নিমানের বিরুদ্ধে প্রতিয়ে নিমানের বিরুদ্ধে প্রতিয়ে নিমানের নিমার বিরুদ্ধের ব্রুপের মার্ম বিরুদ্ধের বিরুদ্ধে বিরুদ্ধে । বাবারি বিরুদ্ধের । ১. শবদু মার্মা মার্মারের ৫. সকলের নি		A CALL AND A CALL OF
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## Action Plan for Solid Waste Management

- APC Dust collected from ESP & bag filter of Sinter Plant and other units will be reused for sinter making.
- Blast Furnace Slag (230000 TPA) will be used in cement manufacturing.
- Dolochar (60000 TPA) from the DRI units will be used in CFBC boiler for power generation. Presently Dolochar is being stored in secured area inside the plant.
- The hot slag (91310 TPA) generated from Electric Arc Furnace will be transferred to slag yard after cooling. Slag from Electric Arc Furnace after metal recovery in metal recovery plant (slag crusher) will be used for Construction purpose.
- Solid wastes that will be generated from CCM as well as Rolling Mill are the scales, end cuts, miss rolls (40000 TPA) will be used in Electric Arc Furnaces.
- Fly ash (139200 TPA) generated from Captive Power Plant will be utilized as raw material for the cement plant / Fly ash Brick Manufacturing. Generated fly ash will be sold out to cement manufacturing unit or Fly ash Brick Manufacturing unit.
- Bottom ash (34800 TPA) generated from the captive power plant will used for land filling / Road construction purpose.
- Solid waste of domestic origin generated in the plant from worker canteen will be disposed suitably in consultation with the concerned Kharagpur Municipality.
- Biomedical waste from occupational health center will be disposed of through authorized vender namely M/S West Bengal Waste Management Limited (an authorized vender by WBPCB). Work order for the same has already been issued.



#### Photographs of Housing facility for workers







SLNO- 01

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Date 22 , 49, 2023 & LNO- 1
Patient Name Prankrishng Mawi
Age 53 G Height 159 cm
0 Symptoms
Coughing Breathlessness
Wheezing Chest tightness
PEFR
Predicted 410 m
Actual480 C/m
Name of Pharmacist Counsellor
Designers This material is for informational purposes only. It does not repriace the advice or counsel of a doctor or health care professional Two should consult with, and rely only on the advice of your physician or health care professional

Mient Name: PRANKRISHNA MANI Age: 53+ Sex: M Date: 22.11.2023 Weight: 61 Blood Pressure: 127/84 L R.B.S. : 114 of (dL L

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Meridian Medical Research & Hospital Ltd. Narayana Superspeciality Hospital (CIN NO: U85110W81995PLC071440) 100/1 Andul Dood Howroh 711 103





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Actual	380		η	

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SL. NO. 04
5L NO - 31

Patient Name: BIPLAB MANDAL Age: 42 Sex: M Date: 22.11.2023 Weight: SF Blood Pressure: 150/90









Meridian Medical Research & Hospital Ltd. Narayana Superspeciality Hospital



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Patient Name		
Age	33Y Height	172 cm
Symptoms		
Coughing	Breathlessness	
Wheezing	Chest tightness	
PEFR		
Predicted	49	2 Clm
Actual	611	> C/m
Name of Phar	macist Counsellor	

Rent Name: PARSURAM MOHAKUD Age: 33 Sex: M Date: 22.11.2023 Weight: 76 Blood Mussure: 122/91 R.B.S.:

Ha Map



Unit of Narayana Health

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Meridian Medical Research & Hospital Ltd. Narayana Superspeciality Hospital (CIN NO: U85110W81995PLC071440)



Di ata Makor May 17, 2024, 12:02

FORM NO. 17 I. Serial No. In the Register of Adult Worker : - 33012330 2. Name of Worker : PARSUEAM MANAKUD 3. See: MALE									es amended vide Notification No. 1183-LW-IR-191 dated 27th Nov. 1991   4. Date of Birth : 23/05//988 5. Medical examination and the results thereof If declared unfit for work							
Department works	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or bye-products likely to be exposed to	Date of Posting	Date of leaving/ transfer to other work	Reason for discharge transfer to other work	Signs and symptoms observed during exemination	Nature of tests & results thereof	Result Fit/unfit	Period of Temporary withdrawl from that work	Reasons for each withdrawal	Date of declaring bim unfit for that work	Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer/ the certifying Surgeon	
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## Photographs of Rainwater Harvesting (RWH) Pond





## Photographs of Occupational Health Centre



## Photographs of Health Check-up





## **Environment Cell**

