

malco energy

Date: 01.06.2022

To,
The Director
Ministry of Environment and Forest
Regional Office (Southern Zone)
Kendriya Sadan, 17th Main Road, II Block, Koramangala
Bangaluru – 560 034

Sub: Six monthly compliance report to the Environment Clearance [File No: J-11011/106/2008-IA.H(I)] granted to M/s NICOMET Industry Limited (NIL), Plot No-15, 19, 20 Cuncolim Industrial Estate, Cuncolim Goa for the period October 2021 to March 2022.

Respected Sir,

Reference to the subject cited above we would like to bring to your notice that, by an order dated 14.12.2018 the National Company Law Tribunal, Mumbai ("NCLT") has directed initiation of Corporate Insolvency Resolution Process (CIRP) against NIL. During the CIRP, the Committee of Creditors (CoC) rejected all the three resolution proposals received for NIL and had approved liquidation of NIL. NCLT by its order dated 16th December 2020 taking note of the decision of CoC of NIL directed liquidation of NIL and appointed Mr. Divyesh Desai as the official liquidator. Following the due procedure, the official liquidator conducted an E-auction of assets of NIL on 7th July 2021. Malco Energy Limited (MEL) was declared as the highest bidder for the assets of the NIL comprising of composite unit situated at Cuncolim Industrial Estate. On 15th July 2021 MEL was issued letter of acceptance of offer for the assets of NIL by the liquidator.

It is to inform you that after the purchase of certain assets of Nicomet Industry we have not started our production, however we are herewith submitting the condition wise compliance report as per the conditions laid down in the Environmental Clearance File No: J-11011/106/2008-IA.II(I) dated 28/10/2009 for the period October 2021 to March 2022

Thanking You

Yours faithfully,

Mr. Sumit Gupta

CEO

Malco Energy Limited

C.C. Member Socretary GSPCB

MALCO Energy Limited

Works: L-15, L-19, L-20, M-11, Landfill Site, Cuncolim Industrial Estate, Cuncolim, South Goa – 403703, India

Website: www.vedantalimited.com

Registered Office: SIPCOT Industrial Complex, Madurai Bypass Road, Thoothukudi (Tamil Nadu) - 628 002 T +91-461 424 2591 F +91-461 424 2829 | Website: www.vedantalimited.com CIN: U31300TN2001PLC069645

sensitivity internations.

Compliance Report to Environment Clearance issued by Ministry of Environment and Forest for Nicomet Industry Limited

Environment Clearance No.J-011/106/2008-IA.II (I) Dated 28.10.2009

Period October 2021 to March 2022

1) Specific Conditions

Sr.	0 10 0 11	
No	Specific Condition Environment clearance is subject to the final	Compliance Status
i)	order of the Hon'ble Supreme Court of India in the matter of Goa foundation Vs Union of India in writ petition (Civil) No 460 of 2004 as may be applicable to this project	Noted
ii)	Online ambient air monitoring and continuous stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to keep the emission levels below 100 mg /Nm3. Volatile organic compounds (VOCs) and acid mist shall be monitored along with other parameters like SPM, RSPM, SO2, NOx. SO2 emissions from process shall also be controlled by connecting the vents of the reactor to the common header and scrubber. The reports for ambient air, stack and fugitive emission shall be submitted to the ministry's Regional office at Bangalore, Goa Pollution Control Board & CPCB.	CPCB has exempted the unit from the condition to carry out online effluent and emission monitoring system, copy of letter is attached herewith as <code>Annexure_1a</code> We are a hydrometallurgical unit engaged primarily into the production of Nickel and Cobalt Metal and their salts from the ores/concentrates/hydroxide material of Nickel and Cobalt through solvent extraction technology. We do not have any Furnace, Smelter or Cupola furnace. We do not use the fuel such as Petcock, Coal, lignite which leads to the emission of gas/dust in the ambient area. We have stacks only for the Boiler and fuel used is bio-fuel briquettes, Thermic fluid heater and for DG sets fuel used is LSHS/HSD oil which is directly sourced from the refinery. AAQ monitoring is carried out through MoEF recognized laboratory as specified by GSPCB & the reports submitted regularly to GSPCB. Report is attached as <code>Annexure_1b</code> .
		During the reporting period, the plant operations have not resumed, we will be undertaking analysis of the stacks at regular intervals by MoEF recognized laboratory & will regularly submit the report to the GSPCB as per our consent condition and MoEF through half yearly reports.
iii)	Bag filters shall be provided to process units. In copper cell house, all the cells shall be covered and SO2 emissions from process shall be controlled by connecting the vents of the reactor to the common header to control acid mist emission. The mist emissions from the vent shall be collected and pass-through the scrubber. The scrubbed solution shall be properly treated and recycled to the scrubber. The scrubbed solution	Not Applicable . Stacks are equipped with cyclone separator system is in place. CPCB has exempted

	shall be properly treated and recycled to the process. Periodic monitoring of vents from condensers shall be carried out and shall be within the permissible limit as per E (P) Act, 1986.	process for the installation of bag filter in the process plant. Copper production has been stopped and Copper cell house is not in operation.
iv)	Arrangements for the control and monitoring of the odorous chemicals shall be made	Not Applicable. There is no use of any odorous chemical in the process.
v)	Online ambient air monitoring and continuous stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to keep the emission levels below 100 mg /Nm3. The reports for ambient air, stack and fugitive emission shall be submitted to the ministry's Regional office at Bangalore, Goa Pollution Control Board & CPCB.	This is a repeat condition, The response is given in specific condition no ii.
vi)	Dust extraction system and dust suppression system like water sprinkling shall be adopted in material handling section to control fugitive emissions. Bag filters shall be provided at ore handling and storage section. Fugitive emissions from concentrate shed, concentrate unloading area shall be controlled by water sprinklers.	Dust extraction system is Not applicable, as there is no dust generation during any of the process. The raw material is brought in sealed jumbo bags of 1 MT capacity and charged directly into the reactor. There is no open handling of the solid material and there is Raw material is stored in covered shed. There is no dust/fumes emission in the process for dust extraction system. For dust suppression system, water sprinkling is carried out to suppress the vehicular dust in & around the premises.
vii)	Secondary fugitive emissions from Blast furnace shall be controlled within the latest permissible limits issued by the ministry and regularly monitored. Guidelines /Code of Practice issued in this regards by the CPCB shall also be followed. Data on fugitive emissions shall be recorded and maintained.	Not applicable. We do not have blast furnace hence there are no secondary fugitive emission. However AAQM monitoring is carried out by MoEF recognized laboratory.
viii)	Vehicular pollution due to transportation of raw material and finished product 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, we do water sprinkling to suppress the vehicular dust in & around the premises during handling of raw material & finished products.
ix)	Total water requirement from Goa Industrial Development Corporation (GIDC) water supply shall not exceed 148 m3 /day. No ground water shall be used during expansion of the project. All the effluent shall be treated (forced evaporation) and treated wastewater (condensate) shall be reused in the manufacturing process.	Plant operations not yet started. The source of water will be GIDC. We use GIDC water for our manufacturing process and its limit do not exceed. No ground water is used. All the process water is treated in triple effect evaporator to produce anhydrous sodium sulphate crystal which is sold as by-product. The treated effluent water is reused.

, A.

	Domestic effluent shall be treated in septic tank followed by soak pit and used for green belt development.	We have installed a Sewage Treatment Plant (STP) for treating the domestic effluent and the discharge water will be reused in the process
x)	All the wastewater including process washings, boiler blow down and DM plant regeneration etc. shall be treated in the Effluent Treatment plant (ETP) and treated waste water (condensate) shall be reused in the manufacturing process. All sodium sulphate solution shall be treated in triple effect evaporation plant to separate out sodium anhydrous crystals. Condensate shall be recycled back in the process. The cobalt residue shall be treated in Residue treatment Facility (RTF) to extract cobalt and copper metal to minimum level. 'Zero' discharged shall be adopted and no wastewater shall be discharged outside the premises.	Complied. All the waste water including process washings, boiler blow down and DM plant regeneration, condensate etc reused in the manufacturing process and treated in triple effect evaporator from which we produce anhydrous sodium sulphate crystal which is saleable product. The process residue undergoes physical and chemical treatment where we extract metal values such as Nickel, Cobalt etc and then stabilised, neutralised and disposed in secured land fill. No treated process effluent is discharged outside the premises.
xi)	The leachate residue shall be converted into slurry and then transferred to reactors for acid washing in series of reactors to ensure complete dissolution acid soluble as well as water soluble metals. Re-pulped slurry shall be transferred to series of thickness for solid liquid separation. Overflow containing recovered metal shall be treated with lime to precipitate metals and underflow slurry shall be recycled to the exiting leaching process.	Complied.
xii)	Regular monitoring of influent and effluent water for all the relevant parameters including trace metals (Cu, Cd, Zn, Mn and Ni) shall be ensured and treated wastewater shall meet the norms prescribed by the Goa State Pollution Control Board or described under the E(P) Act whichever are more stringent and reports shall be submitted six monthly to the Ministry Regional Office at Bangalore, Goa SPCB and CPCB.	Not Applicable, since there is no effluent generated. As mentioned above, the process water is evaporated and converted into sodium sulphate crystals and sold as byproduct. Ours is a zero-liquid discharge system and there is no other effluent from the process.
xiii)	The Waste cake generated during the treatment of cobalt raw material in leaching plant shall be stockpiled in specific area and treated in residue treatment facility (RTF) to extract cobalt and copper metal to minimal level. The waste cake from the filter press shall be treated with lime in a mixer to stabilize the residual trace metals and after extraction of metals shall be disposed off to secured captive landfill /authorized recyclers/reprocesses.	The Process Residue is solid which is treated & stabilized chemically & physically to precipitate metal values to minimal level in the present operating system through continuous process. After treatment & stabilization finally disposed off in Secured Landfill Facility.

xiv)	Hazardous wastes like process sludge shall be disposed at its captive hazardous waste secured landfill facility (SLF). Proper secured landfill shall be constructed as per the CPCB guidelines or proper arrangement shall be made for the proper disposal of hazardous waste in authorized TSDF in advance before the current facilities are exhausted. All the other solid wastes shall be disposed off in the environment friendly manner or provided to authorize recyclers only.	The stabilized process residue disposed in Secured Landfill Facility.
xv)	Membership to authorized TSDF shall be obtained and a copy of valid authorization shall be submitted to the Ministry.	We have obtained membership with authorised TSDF in Goa, copy of which is attached herewith as annexure_lc.
xvi)	As proposed, green belt shall be developed in 44% area in and around the plant as per CPCB guidelines in consultation with Divisional Forest Officer (DFO).	Out of proposed Green belt of 9650sq, metre 2256 sq. metre area has been developed in and around the plant premises and further development is in progress will be completed by Oct'23
xvii)	All the recommendations made in the charter on corporate Responsibility for Environment Protection (CREP) shall be strictly implemented.	The recommendations are implemented and being monitored details are provided in annexure_ld
xviii)	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as gooking, mobile toilets mobile STP, safe	The expansion project was completed by earlier owner in the year 2010. At present no labour is staying in the company premises.

2) General Conditions

Sr. No	General Condition	Compliance Status			
i)	The project authorities must strictly adhere to the stipulations made by the Goa Pollution Control Board (GPCB) and the State Government.	Noted and agreed to comply			
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.				
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 Goa Pollution Control Board 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, however CEMS being not applicable as per order no B-33014/7/2016/PCI-II/7530 dated 19.01.2016 from CPCB. (Refer annexure_1a). As such interlocking facilities not applicable.			

iv)	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO2 and NO2 are anticipated in consultation with the Goa Pollution Control Board. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bangalore and Goa Pollution Control Board, CPCB once in six months.	Complied, AAQ monitoring is being carried out in consultation with and as per CTO conditions of GSPCB.
v)	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Further, specific measures like water sprinkling around the coal stockpiles and asphalting or concreting of the roads shall be done to control fugitive emissions.	There is no fugitive emission in the plant. Coal is not used in the process. Water sprinkling done to control dust emission during vehicular movement
vi)	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	Not Applicable since there is no effluent generated. The process water is evaporated and converted into sodium sulphate crystals and sold as byproduct. Ours is a zero-liquid discharge system and there is no other effluent from the process
vii)	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, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. Noise controls measures provided & periodical monitoring carried out it is found that noise levels are within limits.
viii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Plant operations has not been started. Pre- Medical of all employees has been conducted. Reports of few employees has been attached in Annexure 1e
ix)	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.	We are in a process of developing a rain water harvesting structure in consultation with experts expected to complete by Dec'22.
x)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc. Suggestions made during the public hearing shall be implemented.	Environment measures and safeguards have been implemented to prevent pollution. Public hearing for the project was exempted. CSR activities like Nand Ghar is implemented in plant area to support childcare & women development through modern technology, improved education, sanitation & hygiene.
xi)	As proposed, Rs. 1.50 Crores earmarked towards the capital cost and recurring cost/annum towards the environmental pollution control measures shall be judiciously utilized 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. Various Environmental protective measures are implemented. These includes ETP, covered sheds, appropriate stacks, STP. We have dedicated environment budget for managing the recurring expenditures. This budget is not diverted for any other activity. Photos showing various environment

		protective measures carried out after taking over of assets is attached as Annexure_1f
xii)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. The EC letter is put up on company web site on following link https://sesagoaironore.com/sustainability/hse/environment-reports/
xiii)	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 at Bangalore, the respective Zonal Office of CPCB and the Goa 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.	The plant has not started its operation, Compliance status will be sent to regional Office of MoEF and GSPCB & will be updated on website periodically Displayed board stating pollutant level at main Gate will be put up by March 23
xiv)	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 email) to the Regional Office of MOEF the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bangalore / CPCB / Goa SPCB shall monitor the stipulated conditions.	Will be Complied
xv)	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 alongwith the status of compliance of environmental conditions and shall also be sent to the Regional Office of the MOEF at Bangalore by e-mail.	The environment statement (Form-V) for the financial year will be submitted to GSPCB before 30 th September 2022 and same will be displayed on website. Copy of the same will be sent to Regional Office of the MoEF
xvi)	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 Goa SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. 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 should be forwarded to the Regional office.	Complied by earlier owner

xvii)	Project authorities shall inform the Regional Office at Bangalore 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.	Complied by earlier owner
-------	---	---------------------------

----FND----



CENTRAL POLLUTION CONTROL BOARD. (पर्यावरण एवं वन मंत्रालय, भारत रारकार) (MINISTRY OF ENVIRONMENT & FORESTS, GOVERNE BLOWS

SPEED POST

B-33014/7/2016/PCI-II

January 19, 2016

Vicomet Industries Ltd. L-15/19/20, Cuncolim, Industrial Estate Cuncolim, Goa-403703

Sub.: Withdrawal of Notice under Section 5 of the Environment (Protection) Act, 1986 regarding installation of on-line effluent and emission monitoring system

Ref.: Notice under Section 5 of the Environment (Protection) Act, 1986 dated July 23, 2015 regarding installation of on-line effluent and emission monitoring system

WHEREAS, integrated steel plants and sponge iron units are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality;

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries under the Environment (Protection) Act,1986 and the rules framed there under:

WHEREAS, there is need to inculcate habit of self-monitoring within the industries for complying with the prescribed standards and this can be achieved by the methods like installing online effluent and emission monitoring devices;

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, online source emission and effluent monitoring systems need to be installed and operated by the industries on 'polluter pays principle';

WHEREAS, a direction under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act. 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was issued on February 05, 2014 to all the State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs) for installation of online emission monitoring system w.r.t. PM and SO₂ parameters & online effluent monitoring system w.r.t. pH. flow, BOD, COD and TSS in iron & steel industries;

WHEREAS, effluent parameters phenol and cyanide were added for online installation in iron and steel plants with by-product recovery type coke ovens;

WHEREAS, considering the requests/ representations received from industries/ industrial associations/ SPCBs / PCCs, an extension of time up to June 30, 2015 for installation of online monitoring systems was granted vide direction dated March 02, 2015 under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981;

WHEREAS, a letter vide dated May 29, 2015 was issued by the Chairman CPCB to all the SPCBs/ PCCs informing that no further extension of time will be given after June 30, 2015 and withdrawal of consent to operate along with forfeiture of bank guarantee of non-complying units;

WHEREAS, concerned SPCB/ PCC issued directions under section 33A of the Water (Prevention & Control of Pollution) Act, 1974 and section 31A of the Air (Prevention & Control of Pollution) Act, 1981 to install the online monitoring system by June 30, 2015 and to submit bank guarantee of 100% of the cost of online emission & effluent monitoring system;

WHEREAS, the Ministry of Environment & Forests, Government of India, vide Notifications No. S. O. 157 (E) of 27.02.1996 and S. O. 730 (E) dated 10.07.2002, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board, to issue directions to any industry or any local body or any other authority for violations of the standards and rules notified under the Environment (Protection) Rules, 1986 and amendment thereof.

WHEREAS, Show Cause Notice under Section 5 of Environment (Protection) Act 1986, was issued on July 23, 2015 to all integrated iron & steel plants and sponge iron units to show cause as to why the unit online emission & effluent monitoring system by June 30, 2015. Further it was directed to submit documentary evidence regarding status of installation and connectivity;

WHEREAS, your representation dated September 03, 2015 was received in response to above mentioned notice, wherein it was requested to exempt you from installing online monitoring system as the unit is not unit doesn't fall under 17 category of highly polluting industries. The response was examined and it was noted that the

NOW, therefore in view of above the show cause notice issued under Section 5 of the Environment (Protection) Act, dated July 23, 2015 is withdrawn.

(Arun Kunai Mehta) Chairman

-42h



malco energy

19th May, 2022

Ref. No. VI DANTA/MIT/I NVM17/2022/23/01

To.

The Member Secretary.

Goa State Pollution Control Board.

Near Pilerne Industrial Estate

Opp. Saligao Seminary

Saligao-Bardez

GOA - 403511

Sub: - Submission of Environment Monitoring Reports as per conditions mentioned in the Consent to Operate, reg.

Ref: -1 Consent to operate the Industry under the Water Act, Air Act & Hazardous Waste Authorization order bearing No. 12/2019-PCB/141851/R0001303 dt. 15/09/2020, Amendment No.12/2019-PCB/141851/R0001303/Amide-378 dt.04/04/2022

 Consent to operate the CSLF under the Water Act, Air Act & Hazardous Waste Authorization order bearing No. 12/2019-PCB/71338/R000346 dt. 23/09/2020, Amendment No.12/2019-PCB/71338/R000346/Amde-379 dt 04/04/2022

Dear Madam,

We have conducted the Environment Monitoring through M/s.Mineral Engineering Services, Ballari, Karnataka as per conditions mentioned in the Consent to Operate and submitting hereby the reports for your kind perusal and records:

- 1. Ambient Air Quality Monitoring Report
- 2. Test Well Analysis Report (CSLF)
- 3. Noise Level Monitoring Report
- 4. Soil Test Report (Industry and M-11)

Thanking You, Yours Faithfully,

Sumit Gupta

Authorized Signatory

Malco Energy Ltd

Opp Salitato Control Eczic Sargeo Gos ess Est

MALCO Energy Limited

Works: L-15, L-19, L-20, M-11, Landfill Site, Cuncolim Industrial Estate, Cuncolim, South Goa – 403703, India
Website: www.vedantalmited.com

Registered Office: SIPCOT Industrial Complex, Mindural Bypass Foad, Thosp ukudi (Tamis Nacu): 626-007 T+91-461 424 2551 f+91-461 424 2829 | Websita: www.vedurcalimited.com CIN. U31200TH2001PLC009645



MINERAL ENGINEERING SERVICES

Hercogn and L. Gro. March S. J., Anderson J. A. 1990 (2015) in the first and No. 1993 (1994) in Indian annual francisco gradual gradual and 12 (6) 2022.



WATER TEST REPORT

Table No. 4 MES/W/HU15/00

Name of the Project

Myloo Energy Limited, (Represented by Strit, Sumit Gopta).
Plot No. L. 15/19/20, Concolim Industrial Estate, Concolim, Salcete Goa

Name of the Location Month Capter Second London Site May 2022 04 05 2022

Date of sampling Date of Report Report No

14 05 2022 MES/SSAVRN/76

SL	Parameters	Marin Strang	Destrable Permissible		Pesuit				
No	rarameters	Maria	Limits	Limits	TW1	TV/2	TW3	TVV4	TV/5
1	Colour (Hazen Units), Max	E-5075 Card	,	15	*1	* 1	1		1
1	chi .	Ph. 2004 (Fig. 14)	6.5 to 8.5	65 55	6.90	7.00	6.80		1.6:
)	Chemical Okygen Demand (COD) ms1	Sout Paren	-	140	4.6	16	4.4		+5
4	Biochemical Oxyden Demand Imga EOD, 17° C	18 3 Lo Part #1			+2	+2	-12		- 4
ė.	Oil & Greate, mg1	15 1005 (Fam 3))	-		*1	<1	< 3		
6	Electrical Conductivity (pm/troolom)	15 W25 (P.14	-	-	158	815	510		445
	Turbidey,NTU Max	(S 3025 (Part 10)	1	5	<10	<10	-15		210
9	Total Dissolved Solds mg/L Max	IS \$105 (Pan 16)	500	2000	88	490	276		7.55
9	Total Suspended Solids Impri	15 3025 (Part 17)	-		<2	*7	×2		+2
10	Total Hardness (as CaCO ₂) mg/t Max	IS 3025 (Part 21)	200	600	60	180	165		170
11	Chiloride as Ci (mg/l) ring 1 Mar	15 3025 (Part-32)	250	1000	16	124	48		30
12	Nitrates (as NO) might Max	15 3025 (Part 34)	45	45	10	18.9	4.5		6.3
13	Natire (as NO ₂ mg ²)	(S.3025, Part 34)		-	.0 C.	.000	*0.E1		45.5
14	Alkalinity (as CaCO ₃) mg/. Max	(S. 3025 (Furt 22)	200	500	48	160	110		140
15	Dissolved Oxygen (as O;)	15 3025(Fart 38)	-		49	4.5	5.1	Dry	5.4
16	Sulphates (as SO,) mg/l, Max	IS 3025 (Part 24)	200	400	140	28.0	75.2		11 1
.7	Phosphate (as PC _e) mg/	15 20/2 (Part 21)	-	1.0	0.06	-0.05	-015		<0.0
16	Acidity (as CeCO ₂) mg/l	(5.0025 (Part 22)			e2	+2	-2		<2
15	Fluoride (as I) moh. Max	S 3025 Part 601	1	1.5	<01	<01	<01		-(1
20	Cadmium (as Cd) mg/l Max	(S.3025 (Part 41)	0 003	0.003	<0.002	<0.002	-0 002		.000
71	Iron (as Fe) right Max	15 3025 (Pan 53)	10	+ 0	-0.05	-0.05	-0.05		-00
22	Lead (as Fb) regal Max	15 3025 (Part 47)	0.01	0.01	<0.005	- 0.005	-C 005		• € 00
	Mangarese (as Mn) mg/r, Max	15 3025 (Part 59)	0.1	6.3	<0.03	<0.03	~0.03		-00
. 4	Americ, las Asi mg/l, Max	is 3015 (Part si)	0.05	0.05	<0.002	<0.000	<0.002		×0.00
75	Zinc (as Zn) mg/L Max	IS 30.75 (Pag 49)	5	15	-0.005	<0.005	-C 005		-6.60
70	Cobalt (as Co) mig/l	APHA 22" Ection			<0.01	<0.0	<0.0.		<0.0
27	Nickel (as fail road Max	(5.3025 (Part 54)	0.02	0.02	<0.51	₹0.5°	<00"		*0 L
B	Copper (as Cullimgit Mar	18. NO20 (PO1-42)	0.05	15	40.01	<0.01	40.01		-01
on.	Creemanites Critingt Max	(\$ 3525 (Part 12)	0.05	0.05	+0.03	+6.03	×0.53		-0.0

SAMPLE CODE: TW1 - Test well - 1 TW2 - Test well - 2 TW3 - Test well - 3 TW4 Test well - 4 W4 - Test well - 5 Samples Collected & Analysed - Mineral Engineering Services Ballan

(MR DURGA PRASAD) GOVT. ANALYST MEMON HEAD OF LABORATORY

25/XXV, Club Road, Ballari-583 103, Karnataka. Landline No. :08392-267421

E-mail: mes_msraju@yahoo.co.uk/mesbly25@gmail.com



1 A 1





Table No. 1

TEST REPORT OF AMBIENT AIR QUALITY

Name of the Project

: Malco Energy Limited, (Represented by Shri, Sumit Gupta)

Plot No. L-15/19/20, Cuncolim Industrial Estate , Cuncolim, Salcete Goa

Station at & Code : A1 - Behind Nickel Plant

Duration : 24 Hrs
Date of Report : 14.05.2022

Date of Report Reference IS 5182	: 14.05.20	22		Report No	: MES/SS/AR	IN/253
Date of Sampling	Sulphur Dioxide (SO ₂). µg/m ³	Nitrogen Dioxide (NO ₂), µg·m ³	PM _{10,} (µg/m³)	PM, (µg/m³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
04 05 2022	16	23	51	35	<20	<1
Limits for Industrial, Residential, Rural and other Areas	24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Lend (Pb).	Nickel (Ni).	Arsenic (As), ng m ³	Benzo(a) Pyrene (BaP). ng m²	Carbon Monoxide* (CO), mg/m ³	Ozone* (O1). pg m ³
C4 05 2022	0.13	<0.5	<0.5	<0.5	0.18	24
Limits for Industrial , Residential, Rural and other Areas	1.0 24 Hrs	20 Annual	6 Annust	1 Annual	4 1 Hr	160 1 Hr

Note: Parameters monitored for period of 1 hr

GOYT, ANALYST

HEAD OF LABORATORY

25/XXV, Club Road, Ballari-583 103, Karnataka. Landline No.:08392-267421

E-mail: mes_msraju@yahoo.co.uk/mesbly25@gmail.com



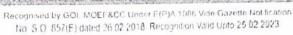




Table No. 2

TEST REPORT OF AMBIENT AIR QUALITY

MES/AQ/TP/05/00

Name of the Project

: Malco Energy Limited, (Represented by Shri, Sumit Gupta)

Plot No. L-15/19/20, Cuncolim Industrial Estate , Cuncolim, Salcete Goa

Station at & Code

: A2 - Near Crystallization & Evaporation

Duration

: 24 Hrs

Date of Report

: 14.05.2022

Report No : MES/SS/ARN/254

Reference IS 5182			Keportivo	· MEDIODIA	1	
Date of Sampling	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM _{10,} (μg/m³)	PM _{2.5.} (µg/m³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
04 05 2022	14	18	54	30	<20	<1
Limits for Industrial , Residential, Rural and	80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual
other Areas	24 1115	241113				The same of the sa

Date of Sampling	Lead (Pb), µg/m³	Nickel (Ni)- ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide ^a (CO), mg/m ³	Ozone* (O ₃), μg/m ³
04.05.2022	0.07	<0.5	<0.5	<0.5	0.15	0 26
Limits for Industrial , Residential, Rural and other Areas	1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note: * Parameters monitored for period of 1 hr

GOVT. ANALYST

HEAD OF LABORATORY

25/XXV, Club Road, Ballari-583 103, Karnataka. Landline No.:08392-267421

E-mail: mes_msraju@yahoo.co.uk/mesbly25@gmail.com







Table No. 3

TEST REPORT OF AMBIENT AIR QUALITY

MESIAQ TRI06/00

Name of the Project

: Malco Energy Limited, (Represented by Shri, Sumit Gupta) Piol No. L-15/19/20, Cuncolim Industrial Estate, Cuncolim, Salcete Goa

Station at & Code

: A3 - Near Main Gate

Duration

24 Hrs

Date of Report : 14.05.2022

Reference IS 5182	. 14.00.20			Report No	: MES/SS/AR	14/255
Date of Sangling	Sulphur Dioxide (SO ₂), pg m	Nitrogen Diaxide (NO ₂), pg/m ²	PM ₁₀ (µg/m²)	PM ₁₃ (µg/m³)	(NII ₁), ng/m ¹	Benzene (C _b H _b), μg/m ¹
64 05 1027	:6	22	59	30	<20	<1
		80	100	60	400	5
Limits for Industrial , Residential, Rural and other Areas	24 :1:5	74 Hrs	24 1 irs	24 11(5	24 Hrs	Annual

Date of Stripting	Lead (Ph).	Nickel (Ni), og m'	Arvenic (As), ng m ³	Benzo(a) Lycene (BaP) eg m ³	(arbon Manovide* (O), mg'm'	()/one* (Ω ₃), μg/m ³
14.05.7022	0.09	K0.5	<p.5< td=""><td><0.5</td><td>0.17</td><td>0.32</td></p.5<>	<0.5	0.17	0.32
imits for Industrial.	1.0	20	6	1	4	180
Residential, Rural and other Areas	24 Hrs	Annual	Annual	Annual	1 hir	1 Hr

Note Parameters monitored for period of 1 hr

CA STRAIG GOVT. ANALYST

ALCINY. (MS RAJU) HEAD OF LABORATORY

25/XXV, Club Road, Ballari-SS3 103, Karnataka, Landline No.: 08392-267421 E-mail: mes_mstaju@yahoa.co.uk/mesbly25@gmail.com Website: www.envtest.in



MINIERAL ENGINEERING SERVICES

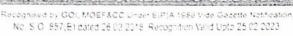




Table No. 6

SOIL TEST REPORT

IES/SOIL/FTR/03/0

Project : Malco Energy Limited, (Represented by Shri. Sumit Gupta)

Plot No. L-15/19/20, Cuncolim Industrial Estate , Cuncolim, Salcete Goa

Date of samples

: 04.05.2022

Date of Report

: 14.05.2022

Raport No

MES/S/SRM/22-15

· · · · · ·	11110	1112 5 5 5 111					
SL.	PARAMETERS	Units	S1	S2	S3	54	\$5
1	pH		7 02	7 11	7 10	7 23	7.08
2	Residual, Free Chlorine	mg/kg	51	51	- 1	<1	< 1
3	Chlonde	Se	0.08	0.082	0.25	0 23	0.16
4	Sulphate	*5	0 052	0.053	0 033	0.39	0.048
5	Phosphate	Кала	43	46	48	41 00	59
6	N trates as NO ₃ -N	mg/kg	5.6	5 96	43	4 20	8.6
7	Exchangeable Magnesium	Ка/на	15 63	15 19	14 59	13.78	15.98
Œ.	Argenic se Ael	mgArg	.00:	*0 0*	-0.01	<0.01	×0.01
9	Caomium as Ca	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
10	Total Chromium as Cr	mg/kg	0.8	0.6	0.6	0.95	0.68
11	Copper as Cu	mg/kg	0.11	0.12	0 12	0.16	0.15
12	Cobat as Co	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
13	Iron as Fe	("4)	3.96	3.96	4.96	3 87	3 26
14	Lead as Fb	- 4	<0.05	<0.05	<0.05	<0.05	<0.05
15	Manganese as Mn	mg/kg	×0.1	.01	<0.1	<0.1	<0.1
16	Mercury as Hg	mg/kg	-0.05	<0.05	<0.05	<0.05	<0.05
; -	Monetas 16	mg/kg	0.13	0:15	0.19	011	0:5
18	Potassium as K ₂ O	ка/на	15.6	147	13.5	14.78	17.4
19	Sodium	теа 100 дт	1 580	1 660	1 800	1.82	1 263
20	Zinc as Zn	mg/kg	0.08	0.09	0.06	0.09	0.07

Sample Code

51 Surface Soil Near Eastern boundary

S2 Sub Soil Near Eastern boundary

83 Surface Soil Near western boundary

S4 Sub Southear western boundary

SS Surface So: Out side Eastern squadary

GOVT. ANALYST

HEAD OF LABORATORY

25/XXV, Club Road, Ballari-583 103, Karnataka. Landline No.:08392-267421

E-mail: mes_msraju@yahoo.co.ul: / mesbly25@gmail.com



MINERAL ENGINEERING SERVICES



Recognised by GOI, MOEF&CC Under E(P)A 1986 Vide Gazette Notification No. S.O. 857(E) dated 26.02.2018. Recognition Valid Upto 25.02.2023

Table No. 7

SOIL TEST REPORT

1ES/SOIL/FTR/03/0

Project: Malco Energy Limited, (Represented by Shri. Sumit Gupta)

Plot No. L-15/19/20, Cuncolim Industrial Estate , Cuncolim, Salcete Goa

Date of samples

: 04.05.2022

Date of Report

: 14.05.2022

Report No

: MES/S/SRN/22-16

SL.	PARAMETERS	Units	S6	S7 .	S8	S9	S10
1	рН		7.45	7.12	7.32	7.15	7.32
2	Residual, Free Chlorine	mg/kg	<1	<1	<1	<1	<1
3	Chloride	%	0.21	0.22	0.33	0.22	0.28
4	Sulphate	%	0.220	0.035	0.029	0.035	0.028
5	Phosphate	Ka/Ha	45	42	47	40	41
6	Nitrates as NO ₃ -N	mg/Kg	7.62	7.4	7.98	8.6	9.21
7	Exchangeable Magnesium	Ка/На	17.43	17.52	15.87	16.2	15.87
8	Arsenic as As)	mg/kg	<0.01	<0.01	-0.01	<0.01	<0.0
9	Cadmium as Cd	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	<0.01
10	Total Chromium as Cr	mg/kg	0.85	0.96	0.96	1.05	1.08
11	Copper as Cu	mg/kg	0.19	0.13	0.13	0.08	0.09
12	Cobalt as Co		< 0.1	< 0.1	<0.1	< 0.1	<0.1
13	Iron as Fe	(%)	3.56	3.45	3.45	3.18	3.2
14	Lead as Pb	%	<0.05	< 0.05	< 0.05	<0.05	<0.05
15	Manganese as Mn	mg/kg	< 0.1	< 0.1	<0.1	<0.1	< 0.1
16	Mercury as Hg	mg/kg	< 0.05	< 0.05	< 0.05	<0.05	<0.05
17	Nickel as Ni	mg/kg	0.14	0.15	0.15	0.15	0.17
18	Potassium as K ₂ O	Kg/Ha	15.34	16.5	16.5	14.2	15.9
19	Sodium	meq/100 gm	1.765	1.555	1.555	1.862	1.872
20	Zinc as Zn	mg/kg	0.076	0.08	0.045	0.11	0.12

Sample Code

S6 Sub Soil Out side Eastern boundary

S7 Surface Soil Out side western boundary

S8 Sub Soil Out side western boundary

S9 Surface Soil Plot M - 11

S10 Sub Soil Plot M - 11

(M.R. DURGA PRASAD) GOVT. ANALYST

(M.S.RAJU)
HEAD OF LABORATORY

25/XXV, Club Road, Ballari-583 103, Karnataka. Landline No.:08392-267421



MINERAL ENGINEERING SERVICES



Recognised by GOI, MOEF&CC Under E(P)A 1986 Vide Gazette Notification No. S.O. 857(E) dated 26.02.2018. Recognition Valid Upto 25.02.2023

Table No. 5

NOISE LEVEL DATA

MES/N/TR/02/00

Project

: Malco Energy Limited, (Represented by Shri. Sumit Gupta)

Plot No. L - 15/19/20, Cuncolim Industrial Estate , Cuncolim, Salcete Goa

Date of monitoring

: 04.05.2022

Date of Report

: 14.05.2022

Report No

: MES/NR/62

Code			Day		Night		
No.	Monitoring stations	L _{min}	Leq	L max	L _{min}	Leq	L max
	Core Zone						
N1	Behind Nickel Plant	43.2	51.8	54.8	34.0	42.8	46.0
N2	Near Crystallization & Evaporation	43.0	48.5	52.3	34.0	40.8	44.0
N3	Near Main Gate	43.0	47.7	51.0	35.0	41.7	47.0
N4	Near Temple (west side)	38.4	47.1	50.0	34.0	40.2	45.0

Permissible Limits of Ambient Noise Levels

as per CPCB Guidelines

Leq. Limit dB(A)

	Day	Night
Industrial Area	75	70
Commerecial Area	65	55
Residential Area	55	45
Silence Zone	50	40

(M.R. DURGA PRASAD)

GOVT. ANALYST

HEAD OF LABORATORY

25/XXV, Club Road, Ballari-583 103, Karnataka. Landline No.: 08392-267421

This is to certify that

Soa Industries Environment Management Association

is the member of the NICOMET

Reg. No.:- 66/Coa/2007

Date: 03 1. LA1/2007-08

OHINENT MAN TEINDES

PANJIM

K.V.S. Krishnakumar President

A.J. D'Souza Treasurer

Sou 22

CREP recommendations and compliance status

Sr. No.	Issue	Status of Action Taken		
1	Waste minimization Waste minimization measures and for adoption of clean technologies.	Waste minimization circles has been formed to implement waste minimization measures and for adoption of clean technologies.		
2	Reduction of Water Consumption	Water flow meters installed to measure actual consumption. Awareness training given to the employees for water conservation and minimization of consumption		
3	Compliance of Standards Monitoring of Compliance status of the Industry	Employed qualified and well trained staff for O & M of the facility. Monitoring pollution loads in core areas. Separate Energy meters provided for the operating facilities. Periodic monitoring of health & safety of workers in the industry are carried out		
4	Waste water treatment & reuse Adopted Wastewater treatment & reuse Adopted Wastewater treatment & reuse Process water generated is treated by trip evaporation under vacuum. The treated w come out as condensate and reused in t process stream.			
5	Bye-product recovery in the form of Sodium Sulphate	of Sodium Sulphate crystals is recovered as a product from evaporation of waste water		
6	Ambient Air Quality Standards Maintenance of ambient air quality keeping health aspects in view which is applicable to the hydro-metallurgical industries	Since there are no equipments like blast furnace or other highly polluting machineries in the factory, emission levels are too low. It is monitored by MoEF recognized agency and report submitted to GSPCB every month		
7	Noise Standards Maintenance of Cost effective engineering and administrative measures in keeping health aspects which is applicable to the hydro-metallurgical industries	Occupational noise standards have already been developed keeping health aspects in view which is applicable to the hydro-metallurgical industries. Noise control measures implemented in high noise area. Acoustic room provided for DG set. Personnel Protective Equipments like Ear Plugs/Ear Muffs are provided for employees as per requirement. Periodic monitoring of noise level done in factory premises.		
8	Solid Waste Management a) Management plan of solid / hazardous waste	Process residue generated is disposed off in secured land fill after neutralization and stabilization		
	b) Waste management in the process	Process residue after extracting maximum metallic values is stabilized with lime and disposed in secured land fill. Liquid waste which is lean Sodium Sulphate solution is evaporated and converted into Sodium Sulphate crystals which is sold as a byproduct. Condensate is recycled back to the process		

9	Utilization of Waste Maximize the reuse of waste and exploring alternative uses of wastes	Waste oil and used oil are being sold to authorized re-users/ recyclers registered with MoEF / CPCB. Sodium sulphate solution generated from SX plant is processed in triple effect evaporation plant to separate out sodium sulphate salt in the form of anhydrous crystals. Condensate is recycled back in
10	Disposal Management of wastes generated from the proposed as well as existing plant operative process belong to stockpiled waste cake.	the process. Stock piled waste residue has already processed, stabilized and disposed off in secured land fill. No more stock piled residues left. Process residue generated from current operation is stabilized with lime after extracting maximum metallic values and disposed off in secured land fill after stabilization.
11	Action Plan to Control and Monitor Secondary Figurative Emissions from the source	Manual water sprinkling through pipes is done to control fugitive emissions
12	Environmental Management Plan during Operation Air Pollution sources from the process	Stack monitoring for boiler and DG is done periodically by MoEF recognized Laboratory and report submitted to GSPCB on regular basis. Ambient air monitoring is done periodically by MoEF recognized Laboratory and report submitted to GSPCB
13	Control of Particulate Emissions Minimization of the fugitive losses within the process areas	Proper ventilation systems provided for minimizing the fugitive losses within the process areas. Manual water sprinkling through pipes is done to control fugitive emissions
14	Control of Fugitive Emissions Manufacturing units, Waste heaps (Dust), Dust Emissions due to Vehicular Movement	Turbo ventilators provided for better ventilation. • Man coolers provided in process area • Sprinkling of Water through pipes done to minimize dust emissions
15	Stack Gas Monitoring Monitoring of stack gas emissions from the sources	The emissions from the stacks monitored by MoEF recognized agency and report submitted to GSPCB periodically.
16	Ambient Air Quality Monitoring Monitoring of Ambient Air Quality in different locations	Ambient air quality in different locations monitored by MoEF recognized Laboratory and report submitted to GSPCB every month
17	House keeping Control of fugitive dust emissions	To reduce the generation of fugitive dust from vehicle movement and improve overall house- keeping, water sprinkling done through pipes
18	Green Belt Canopy based green belt around the periphery of plant	Green belt development done in 2256 square metre area. Further development in progress





01ST APRIL 2022

TO WHOMSO EVER IT MAY CONCERN

This is to certify that I,Dr.Phillip Mascarenhas, have performed Pre-Employment Medical examination of VEDANTA of MR.DAMODAR GOVIND GAONKAR On O1ST APRIL 2022according to Factories Act 1948.

The Employee is FIT For Work.



Or. Philip Mascarenhas
MBBS, DNB (Med), AFIH
MBBS, DNB (Med), AFIH
Occupation Health Physician
DWINE MEDICAL CENTRE, GMC Reg. No. 1458
DGFASLI Reg. No: 1097
Margao - Gos



S1, S2 & S5, Kamat Commercial, Above Women's Look,
Martires Dias Road, Near Hari Mandir, Margao, Salcete, Goa - 403 601.
Ph.: 2711140 E-mail: medicalsdivine@yahoo.com



Pre-Employment Medical Examination

Record No	04 A 2002
1. Name: GAONKAR DAMODAR GOVIND	2.Date: 01-Apr-2022
3. Address: CUNCOLIM INDIA	4. Occupation: ELECTRICIAN
5. Establishment: VEDANTA	6.SEX: Male
5. Age: 45	
PERSONAL HISTORY	
A. 1. Smoking : NO	2. Alcohol: NO
3. Drug Addiction : NO	4. Tobacco chewing: NO
B. MARITIAL STATUS : MARRIED	5. IDENTIFICATION MARK: NA

C. PERSONAL HISTORY & FAMILY HISTORY: NIL

DISEASE	FATHER	MOTHER	OTHERS
Heart Disease/Hypertension	46.00 Hz		10-00-00
2. Diabetes Mellitus		***	
3. Tuberculosis	MAN 70	-	N M P
4. Bronchial Asthma/COPD	part to	40.000,100	
5. Epilepsy	***		
6. Arthritis			44.00
7. Cancer			
8. Kidney Disorder	~~		***
9. Liver Disease			Ser (Second
	TRE		
11. Allergies	0 10	***	
12. Accidents / injuries	Ap. N. 19. N. 19		
13. Surgeries	1 1		
3NI	110		





S1, S2 & S5, Kamat Commercial, Above Women's Look, Martires Dias Road, Near Hari Mandir, Margao, Salcete, Goa - 403 601 Ph.: 2711140 E-mail: medicalsdivine@yahoo.com



CLINICAL EXAMINATION REPORT

1. General Appearance:

Height: 160 Weight: 56.00

Waist: 83 CMS Hip : 92 CMS

Height in CM-100

Teeth

. NO CARIES

Chest

. 88-89 : 21.88

BMI Build

: Normal

2. Skin: HEALTHY, NO INFECTION

Expected Weight 60

Nail: normal

3. Eyes

Conjuctiva: Normal

Pupil : normal

Cornea: Normal Phorias: Normal

4. Ears

Auditory Canal: Normal

Hearing : Normal

Ear Drums: Normal

5. Nose

Septum: Normal

Nostril: Normal

6. Mouth

Tongue: Normal Palate: Normal Speech: Normal Tonsils: Normal Teeth : Normal

Pharynx: Normal

7. Lymphatic & Endocrine

Lymph. Nodes: Normal

Thyroid: Normal

8. Respiratory System

Chest: Normal

Chest Exp/Ins : 88-89 Crepitations : NO

Respiratory Rate: 18/min

Sound: Normal Shape: Normal

Ronchi: No

9. Cardiovascular System

Pulse: 72

Rhythm: Normal Thrills : ABSENT Murmurs: Absent



Blood Pressure: 130-90 Heart sounds: Normal

Peri Vessels: Normal

Normal Heart Size :



S1, S2 & S5, Kamat Commercial, Above Women's Look, Martires Dias Road, Near Hari Mandir, Margao, Salcete, Goa - 403 601. Ph.: 2711140 E-mail: medicalsdivine@yahoo.com



10. Abdomen

Kidney: Not Palpable

Spleen: Not Palpable

Liver : Not Palpable

Any lump/Masses:Not Palpable

11. Genito- Urinary

Inguninal Hernia: Nil

Hydrocele: Nil Phimosis: Nil

Ext. Genitalia: Nil

Discharge /V.D : Nil

12. Musculoskelatal

Posture: Normal Bones: Normal

Spines: Normal

Joints : Normal

13. Nervous System

Cranial Nerves : Normal Sensory System: Normal Motor System: Normal

Reflexes : Normal

Special observation, if any or Evidence of any operation: No Deformity, injury or accident

VISION TESTING:

Corrected : 0

Uncorrected: YES

Near Vision: N6

Far Vision: Right Eye- 20/20

Left eye- 20/20

Bilateral-Normal

Phorias : No

Colour blindness:no

Field of Vision: Normal

Stereo Depth : Normal





\$1, \$2 & \$5, Karnat Commercial, Above Women's Look, Martines Dias Road, Near Hari Mandir, Margao, Saicete, Goa - 403 601 Ph.: 2711140 E-mail: medicalsdivine@yahoo.com



29th JUNE 2022

TO WHOMSO EVER IT MAY CONCERN

This is to certify that I,Dr.Phillip Mascarenhas, have performed Pre - Employment Medical examination of VEDANTA of MR. SANJAY ASHOK GURAV On 29TH JUNE 2022 according to Factories Act 1948.

The Employee is FIT For Work.

Or. Phillip Wascarenhas
MBBS, DNB (Med), APIH
Occupation Health Physician
DIVINE MEDICAL CENTRE, GMC Reg. No. 1458
DGFASLI Reg. No. 1097
Margao - Goa







S1, S2 & S5, Kamat Commercial, Above Women's Look, Martires Dias Road, Near Harl Mandir, Margao, Salcete, Goa - 403 601. Ph.: 2711140 E-mail: medicalsdivine@yahoo.com



Pre-Employment Medical Examination

Record No. ---

IN THE PROPERTY OF THE PROPERT	
1. Name: GURAV SANJAY ASHOK	2.Date: 29-Jun-2022
3. Address: CUNCOLIM INDIA	4. Occupation:
5. Establishment: VEDANTA	6.SEX: Male
5. Age: 34	
PERSONAL HISTORY	
A. 1. Smoking : NO	2. Alcohol: NO
3. Drug Addiction : NO	4. Tobacco chewing: NO
B. MARITIAL STATUS : MARRIED	5. IDENTIFICATION MARK:

C. PERSONAL HISTORY & FAMILY HISTORY: NIL

DISEASE	FATHER	MOTHER	OTHERS
Heart Disease/Hypertension			
2. Diabetes Mellitus			
3. Tuberculosis		***	***
 Bronchial Asthma/COPD 			
5. Epilepsy	***	****	***
6. Arthritis		***	***
7. Cancer			
8. Kidney Disorder			
9. Liver Disease	***	0.00	***
10. Skin Disease		***	
11. Allergies			
12. Accidents / injuries	CAL CENTO		
13. Surgeries	E 06,000		50 W GS.





\$1, \$2 & \$5, Kamat Commercial, Above Women's Look,
Martires Dias Road, Near Hari Mandir, Margao, Salcete, Goa - 403 601.
Ph.: 2711140 E-mail: medicalsdivine@yahoo.com



CLINICAL EXAMINATION REPORT

1. General Appearance:

Height: 158 Weight: 62.00

Waist: 88 CMS Hip: 93 CMS

Height in CM-100 Expected Weight 58 Teeth

NO CARIES

Chest

: 88-93 : 24.84

Build

: Normal

2. Skin: HEALTHY ,NO INFECTION

Nail: normal

3. Eyes

Conjuctiva: Normal
Pupil: normal

Cor

Cornea: Normal

Phorias : Normal

4. Ears

Auditory Canal: Normal

Hearing : Normal

Ear Drums: Normal

5. Nose

Septum: Normal

Nostril: Normal

5. Mouth

Tongue : Normal Palate : Normal Speech : Normal Tonsils : Normal

Teeth : Normal Pharynx : Normal

7. Lymphatic & Endocrine

Lymph. Nodes: Normal

Thyroid: Normal

8. Respiratory System

Chest: Normal

Chest Exp/Ins : 88-93
Crepitations : NO
Respiratory Rate : 18 /min

Sound : Normal Shape : Normal

Ronchi: No

9. Cardiovascular System

Pulse: 72 Rhythm: Normal Thrills: ABSENT Murmurs: Absent



Blood Pressure: 110-70 Heart sounds: Normal Peri Vessels: Normal Heart Size: Normal



51, S2 & S5, Kamat Commercial, Above Women's Look, Martires Dias Road, Near Hari Mandir, Margao, Salcete, Goa - 403 601. Ph.: 2711140 E-mail: medicalsdivine@yahoo.com



10. Abdomen

Kidney : Not Palpable

Spleen: Not Palpable

Liver

· Not Palpable

Any lump/Masses:Not Palpable

11. Genito- Urinary

Inguninal Hernia: Nil

Hydrocele: Nil Phimosis: NII

Ext. Genitalia: Nil Discharge /V.D : Nil

12. Musculoskelatal

Posture: Normal Bones: Normal

Spines: Normal Joints : Normal

13. Nervous System

Cranial Nerves : Normal Sensory System: Normal Motor System: Normal Reflexes : Normal

Special observation, if any or Evidence of any operation: No Deformity, injury or accident

VISION TESTING :

Corrected: 0

Uncorrected: YES

Near Vision: N6

Far Vision: Right Eye- 20/20

Left eye- 20/20 Bilateral-Normal

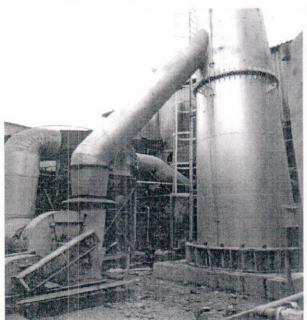
Phorias: No

Colour blindness:no Field of Vision: Normal

Stereo Depth : Normal



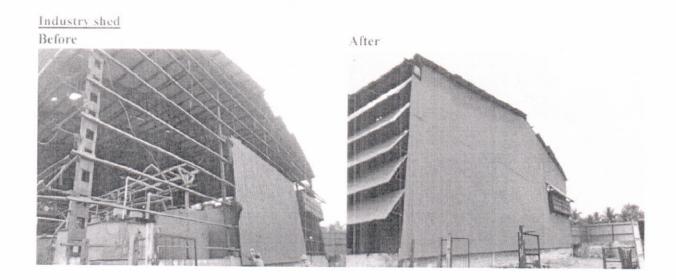
Boiler Chimney





Sodium Sulphate Evaporation Plant for Process water treatment





Repaired Reactor

