



NABHA POWER LIMITED

NPL
Nabha Power Limited

P.O. Box No -28, Near Nalash, Rajpura-140401, Punjab

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Letter.No.: NPL/HSE/RB/MoEFCC/AD/221129/1

Date 29.11.2022

To,

**The Additional Director,
Ministry of Environment, Forest and Climate Change
(Northern Region)
Integrated Regional Office,
Bays Nos. 24-25, Sector 31-A,
Chandigarh-160030**

Ref: Environmental Clearance No J-13011/44/2008- IA-II (T) dated 3rd October 2008 and as Amended on dated 15th November 2010 and Extension dated 5th February 2014 & Amendment in Environment Clearance (EC) on dated 04.07.2022.

Sub: Six Monthly Environment Clearance Compliance Report for the Period of 1st April 2022 to 30th September 2022.

Dear Sir,

Please find enclosed Six-Monthly Environment Clearance Compliance Report of M/s Nabha Power Ltd., Vill. Nalash, Distt- Patiala (Punjab) for the period from 1st April 2022 to 30th September 2022.

Thanking you,

Yours Sincerely,

(Rajiv Bhandari)

Authorised Signatory

Nabha Power Limited

Encl: As above.

- CC: 1) The Executive Environment Engineer, Regional Office, Patiala, Ground Floor, Vatavaran Bhawan, Nabha Road, Patiala.
2) Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi.
3) Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi.

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Corporate Office: L&T House, N M Marg, Ballard Estate, Mumbai 400 001

CIN No: U40102PB2007PLC031039

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE

NABHA POWER LIMITED
2x700 MW THERMAL POWER PLANT



VILL. NALASH
DISTT. PATIALA
(PUNJAB)

Submitted to:

- **Additional Director, Integrated Regional Office (Northern Region), Ministry of Environment, Forests and Climate Change, Chandigarh-160030.**
- **Ministry of Environment, Forests and Climate Change, New Delhi-110003.**
- **Central Pollution Control Board, Delhi**
- **Punjab State Pollution Control Board, Patiala.**

Submitted By:
NABHA POWER LIMITED
VILL. NALASH
PATIALA (PUNJAB)

Period: 1st April-2022 to 30th September-2022.

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Introduction

Nabha Power Limited (NPL), was established as Special Purpose Vehicle (SPV) by the erstwhile Punjab State Electricity Board (PSEB) to develop the Rajpura Thermal Power Project at a site near village Nalash, Distt Patiala, Punjab. An RfQ/RfP was floated by PSEB in line with the Case 2 competitive bidding guidelines, Govt of India (GoI) and L&T Power Development Limited (a wholly owned subsidiary of L&T) was identified as the lowest bidder. NPL has signed Power Purchase Agreement on 18th January 2010 with PSEB and the NPL was also transferred to L&T Power Development Limited as its wholly owned subsidiary on 18th January 2010.

The 1400 MW power plant is constructed as a unit configuration of 2 x 700 MW units, with one steam turbine and one boiler for each unit.

NPL is having two Pulverized Fuel Boilers, generating steam at 25.71MPa at 568 °C with two Condensing Turbo Generator Sets each having generating capacity of 700 MW of power. Installation of associated mechanical and electrical equipment, auxiliary units like coal, ash handling plant, water treatment plant, cooling water system, electrostatic precipitators (ESPs), NOx control equipment etc. are part of the total installation.

SALIENT FEATURES OF NABHA POWER LTD.

Total Capacity	2x700 MW (1400 MW)
Fuel Requirement and Source	5.8 MT/Year, SECL Mines
Water requirement and source	50 Cusec from Bhakra main canal
Status	Unit # 1 Operational since 1 st Feb 2014.
	Unit # 2 Operational since 10 th July 2014.

Project Proponent : Nabha Power Ltd.
Project Status : U # 1 & U# 2 Synchronised on Feb-2014 and July-2014 respectively
Reference : Ministry of Environment & Forest- Environmental Clearance No.-J-13011/44/2008- IA-II (T) dated 3rd October 2008 and Amendment dated 15th November 2010 and Extension dated 5th February 2014.

Compliance Report for the period of April-2022 to September-2022

S. No.	MOEF Conditions	Compliance Status
1.	The total land requirement for the project shall be restricted to 1278 acres.	The land requirement for 1400 MW has been restricted within 1278 acres only.
2.	Prior clearance from the competent authority shall be obtained for locating the proposed power plant in proximity (about 3 kms) of the defence installation. A copy of the same shall be furnished to the ministry and the regional office of this ministry within one month from the date of issue of this clearance letter.	NOC from Ministry of defence & AAI obtained on 25 th May, 2009, Ref No. 21(7)/2008/D(Coord) & 22 nd July, 2008, Ref No.: No. AAI/20012/664/ 2008-ARI (NOC) respectively.
3.	Sulphur & ash contents in the coal to be used in the project shall not exceed 0.5% & 34%.	Sulphur in the coal being used are below 0.5% The Testing Reports are attached here as Annexure 1 . According to MoEF & CC S.o.No.1561 Dtd.21.05.2020 "Use of coal by Thermal Power Plants, without stipulations as regards ash content or distance, shall be permitted subject to compliance with specified emission norms for particulate matter" (PM < 50 mg/nm ³). The stack emission monitoring report from PPCB as well as from MoEF&CC and NABL approved laboratory for particulate matter is attached as Annexure-2 . Report -1 Punjab Pollution Control Report Dtd: - 30.09.2022. Report - 2 Dated 11.07.2022 & 20.09.2022.
4.	A bi-flue stack of height 275 m shall be provided with continuous online monitoring equipment for Sox, NOx & particulate matter. Exit velocity of flue gas should not be less than 25 m/sec.	Continuous online monitoring equipment are functional at 275 Mtr. stack on both the flues attached to Boiler 1 & Boiler 2 and monitoring of PM, Sox & NOx. is being done. As per EC validity extension dated 5.02.2014, exit velocity of flue gases shall not be less than 22 m/s therefore the exit velocity of flue gas is being always maintained more than 22 m/sec in both the units. The Stack Emission Monitoring Reports from MoEF & CC and NABL approved laboratory of Dated 11.07.2022 & 20.09.2022 are attached here as Annexure-2 .
5.	High efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure particulate emission doesn't exceed 50 mg/m ³ .	The ESP's attached to Boiler 1 & 2 are functional and have efficiencies more than 99.99%. The SPM emissions are < 50 mg/Nm ³ . The stack emission monitoring report from PPCB as well as from MoEF&CC and NABL approved laboratory for particulate matter is attached as Annexure-2 . Report -1 Punjab Pollution Control Report Dtd: - 30.09.2022. Report - 2 Dated 11.07.2022 & 20.09.2022.
6.	Space provision shall be kept for retrofitting for FGD, if required at later date.	Complied.
7.	Adequate dust extraction system such as cyclones/bag filters and water spray system in dusty areas such as coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall	The Dust extraction system & Dust suppression system (water sprinklers) is operational in the coal handling area, ash handling and at all transfer points. The photographs of the same is attached here as Annexure-3 .

	be provided.	
8.	Fly ash to be collected in dry form in storage facility (silos) shall be provided. 100% utilization of fly ash shall be achieved from day one. Unutilized fly ash in emergency and bottom ash shall be disposed in ash pond and bottom ash in conventional slurry mode. Mercury and other heavy metals (Hg, Cr, Pb etc.) will be monitored in bottom ash and fly ash as also in the effluent emanating from ash pond.	Fly Ash Silos (3 Nos.) are fully operational. The utilization report of Fly ash is being submitted with the Regional Office PPCB, MoEF&CC and CPCB on yearly basis. Ash utilization report for the period of FY 2021-22 is attached here as Annexure-4 Analysis of heavy metals is being done for both bottom & fly ash on six monthly basis. Latest report dated 15.09.2022 are attached as Annexure-5
9.	Ash pond shall be lined with HDPE lining. Adequate safety measures shall also be implemented to protect ash dyke from getting breached.	Ash Pond bed is provided with HDPE lining (500 microns thick) over 50 mm thick sand cushion and top of HDPE liner is protected with 300 mm earth cover.
10.	Closed cycle cooling system with cooling towers shall be provided. Effluents shall be treated as per the prescribed norms.	Closed cycle cooling system with cooling towers is provided. No effluent is generated as the plant is designed for ZLD (Zero Liquid Discharge).
11.	The treated effluents conforming to the prescribed standard shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during Monsoon. Arrangement shall be made that effluent & storm water do not get mix.	The Power plant is based on Zero Discharge (ZLD) concept and the treated effluents conforming to prescribed standards are being re- circulated and reused within the Plant. There is no discharge outside the plant boundary.
12.	A Sewage Treatment Plant shall be provided, and treated sewage shall be used for raising green belt/plantation.	The Sewage treatment plant of 50 KLD capacities is in operation. The treated water is being used for Green belt development/Plantation. The treated effluent report dated 02.07.2022 & 14.10.2022 are attached as Annexure-6
13.	Rainwater harvesting should be adopted. Central Ground Water Authority/board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three months from the date of clearance and details shall be furnished.	Rainwater harvesting pits have been made as per the Rainwater harvesting scheme approved by CGWA.
14.	Adequate safety measures shall be provided in plant area to check/minimize spontaneous fire in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry at Chandigarh.	The safety measures submitted to MOEF vide letter ref: NPL/SKN/MOEF/1423 dated: 28th June 2012 have been implemented to check/minimize spontaneous fire in coal yard.
15.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of project.	Adequate arrangements were made for construction labour such as toilets, STP, safe drinking water, medical health care etc. during project stage.
16.	Storage facilities for liquid fuel such as LDO and HFO/LSHS shall be made in the plant area where risk is minimum to the storage facilities. Onsite and off-site disaster management plan shall be prepared to meet any eventuality in case of an accident taking place. Mock drills shall be conducted regularly and based on the same, modification required, if any shall be incorporated in the DMP.	The Storage tanks for LDO & HFO storage have been made after necessary risk assessment. On-site disaster management plan is prepared, and the adequacy of the plan is being tested on regular basis through conducting mock drills.
17.	Regular monitoring of ground water in and around ash pond area shall be carried out, records maintained, and six-monthly reports shall be furnished to Regional Office, Chandigarh.	Regular monitoring of ground water in and around ash pond is being done and reports are being submitted to the PPCB on a monthly basis reports are attached as Annexure-7 . Report -1 Punjab Pollution Control Report Dtd: - 14.10.2022. Report - 2 Dated: 03.05.2022 & Dated:15.09.2022.
18.	A green belt of adequate width and density shall be developed around plant periphery covering about 1/3 rd	1/3 rd of the total area have been covered under green belt with native species.

	of project area preferably with local species.	The Green Belt Development photographs are attached as Annexure-8
19.	Activities under CSR shall be enhanced with proper financial allocation. Details of these activities shall be submitted to the Regional Office of the Ministry, SPCB and the Ministry.	Annual activities continue across the year as per allocated financial budget to improve the socio-economic status of surrounding areas. A snapshot of the CSR projects and initiatives is attached herewith as Annexure No-9
20.	First aid & sanitation arrangement shall be made for the drivers and other contract workers during construction phase.	First aid centre (OHC) & adequate sanitation arrangement are available for employees as well as contractual employees.
21.	Noise level emanating from turbines shall be limited to 75 dB (A). For people working in the high noise area, requisite personal protective equipment like Earplug/earmuffs etc. shall be provided. Workers engaged in noisy area such as turbine area, air compressors etc. shall be periodically examined to maintain audiometry record and for any hearing loss including shifting to non-noisy/less noisy areas.	The Noise levels are maintained well below the prescribed standards. PPE's are being provided to all the workers depending upon the task being performed. Medical examination of the workers engaged in high noise area is being done on six monthly basis and records being maintained as per statutory norms.
22.	Regular monitoring of ground level concentration of SO ₂ , NO _x , SPM, RSPM and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of the monitoring shall be decided in consultation with SPCB. Periodic report to be submitted to Regional office of this Ministry.	Monitoring reports are regularly being submitted to Regional office of Ministry and PPCB. Monitoring reports of dated 02.07.2022 & 15.09.2022 are attached as Annexure-10
23.	The project proponent shall advertise in two local newspaper widely circulated in the region around the project, one of which shall be in the vernacular language of the locality/Municipal area/Gram Panchayat concerned and on the company's website within seven days from the date of clearance letter, informing that the project has been accorded environment clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at website of the ministry of Environment and forests at http://envfor.nic.in .	Complied.
24.	A separate Environment Management Cell with qualified staff to be set up for implementation of the stipulated environmental safeguards.	EMC comprising of qualified staff with adequate experience and knowledge is in place to cater environmental responsibilities & needs.
25.	Half yearly report on status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Ministry/Regional Office/CPCB/SPCB.	Half year reports are regularly being submitted to <ul style="list-style-type: none"> ❖ MoEF&CC New Delhi, ❖ MoEF&CC, IRO (North Region), Chandigarh, ❖ CPCB, Delhi and ❖ PPCB Patiala. The detail of submitted half yearly reports as below: <ul style="list-style-type: none"> ❖ Report for the period from April 2021 to September 2021 was submitted on 30.11.2021. ❖ Report for the period from October 2021 to March -2022 was submitted on 30.05.2022.
26.	Regional office of the Ministry of Environment & Forests located at Chandigarh will monitor implementation of stipulated conditions. A complete set of documents including EIA report & EMP report along with additional information submitted from time to time shall be forwarded to the regional office for their use during monitoring.	Complied.
27.	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These costs shall be included as part	Separate funds are allocated. Fund spent in the FY 2022-2023 for FY23 H1 period are attached as Annexure No-11 .

	of project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes & year wise expenditure should be reported to Ministry.	
28.	The project authorities shall inform the regional office as well as the Ministry regarding the date of financial closure and final approval of project by concerned authorities and the dates of start of land development work and commissioning of plant.	Plant is in operation since 2014 after taken all necessary approval from state/central.
29.	Full co-operation should be extended to the scientists/officers from the Ministry/Regional office of the Ministry at Chandigarh/the CPCB/the SPCB who would be monitoring compliance of environmental status.	The NPL is providing full co-operation to the scientists/officers from the Ministry/ Integrated Regional office of the Ministry at Chandigarh/the CPCB/the SPCB who are monitoring compliance of environmental status, time to time.
30.	No additional coal consumption beyond 5.8 MTPA (at 85 % PLF) earlier envisaged for 2 x 660 MW and no additional land for the enhanced capacity shall be permitted.	Being Complied.
31.	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearance issued vide Ministry's letter of even no. dated 03.10.2008, in its website and update periodically and also simultaneously send the same by email to regional office of Ministry of Environment and Forests.	NPL website is live & the compliance reports are uploaded periodically on website. Website address: http://www.Intnabhapower.com
32.	Critical pollutants levels including NOx, RPSM _{10 and 2.5} , SO ₂ shall be regularly monitored and results displayed in your website and also at main gate of the power plant.	Monitoring reports are uploaded on NPL website as well as displayed at main gate The Photograph of main gate display is attached as Annexure-12 .

Reference: Ministry of Environment & Forest-Environmental Clearance No - J-13011/44/2008- IA-II (T) dated 3rd October 2008 and Amendment dated 15th November 2010. Validity Extension Dated 5.02.2014

S. No.	MOEF Conditions	Compliance Status
33	Harnessing solar power within the premises of the plant particularly at the available roof tops shall be undertaken and status of implementation shall be submitted periodically to regional office of ministry	Solar panels are provided on field hostel roof, Clarifier area, CHP and at DM plant area and are functional. The harness report is attached as Annexure No-13 .
34	A long-term study on radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radioactivity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Heavy metal & Radioactive contents in coal, fly ash and bottom ash are being analysis on six monthly basis. Latest reports dated 15.09.2022 & 04.10.2022 are attached as Annexure-5,14 &15 respectively .
35	Exit velocity of flue gases shall not be less than 22 m/s. Mercury emissions from stack shall also be monitored on periodic basis.	The exit velocity of flue gases is more than 22 m/s. Mercury emissions from the stack is regularly monitored and the reports are being submitted to MOEF&CC on periodic basis. The reports dated 11.07.2022 & 20.09.2022 are attached as Annexure-2
36	Fugitive emissions shall be controlled to prevent impact on agriculture or non-agriculture land.	Adequate measures to control fugitive emissions are already in place.
37	No ground water shall be extracted for use in operation of power plant even in lean season.	Complied.
38	Source sustainability of water requirement shall be carried out by an institute of repute. The study shall also specify the source of water for meeting the requirement during lean season. The report shall be submitted to the Regional Office of ministry within six months.	For Nabha Power Limited the source of water is Bhakhra Canal and necessary permission in this regard was taken from Irrigation Department, Punjab and was submitted with your kind office before grant of Environmental Clearance. When we had applied for Extn. of EC, our plant was already Commissioned, and we were having valid Consent to

		Operate from State Pollution Control Board. Therefore, the said condition is not applicable on us.
39	Hydro geological study of the area shall be reviewed annually, and report submitted to the ministry. No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/ operation of the power plant.	The Hydrology study of the area was conducted before the grant of EC by MOEF&CC. No groundwater abstraction is being done. We are only using Canal water for the generation of Power. Therefore, the said condition is not applicable on us.
40	Minimum required environment flow suggested by the competent authority of the state government shall be maintained in the Channel / Rivers (as applicable) even in lean season.	Agreed
41	C.O.C of 5.0 shall be adopted	Adopted and being complied.
42	Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for fly ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option for mine void filling is to be adopted, prior detailed study of soil characteristics of mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close coordination with the State Pollution Control Board	Fly ash is being utilized as per the Notification from MoEF&CC.
43	Green belt consisting of 3 tiers of plantations of native species around the plant and at least 100m width shall be raised. Wherever 100m width is not feasible a 50 m width shall be raised, and adequate justification shall be submitted to Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 75 %.	Complied. The Green Belt Development photographs are attached as Annexure-8
44	Three tier green belt shall be developed all around ash pond over and above the green belt around the plant boundary.	Complied.
45	A common Green Endowment Fund shall be created, and the interest earned out of it shall be used for the development and management of Green cover of the area.	Being complied
46	The project proponent shall also adequately contribute in the development of the neighbouring villages. Special package with implementation schedule for free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Being Complied

47	<p>CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around villages within 5.0 km of the site and in constant consultation with the village Panchayat and District administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall also be undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program. Company shall provide separate budget for community development activities and income generating programs. Vocational training program for possible self-employment and jobs shall be imparted to identify villagers free of cost.</p>	<p>Complied Presently working in 49 villages (5 Km) radius, the schemes are implemented in targeted villages in coordination with village panchayats The milestones of H1 are as under: Skills Facilitated external orders worth 6.7 Lakhs for women artisans (47 No., 5 centres) Training in beautician and stitching courses at 4 No. skill centres. 91 have been trained and 118 are undergoing training. Sewing Machine distributed - 30 women artisans in 4 villages Workshop on resume writing- NSIC, Rajpura for 27 girls Education & Sports. Learning Enrichment Program - 403 Students, (10 schools) are being covered. NPL Scholarship- 41 recipients (38 girls and 3 boys) under GNM and BCA courses. Improving Mid-day meal kitchens - 12 Govt. Schools were provided with utensils (benefitted 764 children) NPL Sports Academy - 107 children & youth are undergoing athletic training in village Dhumman Cyclathon under "GO-GREEN initiative" -127 children of 4 villages participated Rural Infrastructure Bitumen Road (500 m) constructed in Cholti Kheri Road work (450 m) in progress at Jansua, Badal Colony, Harna and Rangian construction of Community Shed- in progress at village Rai Majra. Health Health Camps (6 Nos.) – 458 villagers benefited from health camps. Awareness camps against drugs (3 No.) - 350 youths sensitised. Shed constructed in drug de-addiction centre, Rajpura, benefitting 150 patients Blood Donation Camps (2 No.) -184 units voluntary donation. Identified 8 Health centres for supply of equipment's for Anti-natal and Neo-natal care Advance cancer screening of 11 suspected cases from earlier camp – Nil positive cases were found Water & Sanitation Pond Rejuvenation in progress in village Urna. Crop Flood Protection by cleaning of natural drains and ponds in 10 villages</p>
48	<p>It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.</p>	<p>Internal Planning and monitoring done by CSR Committee chaired by Senior Plant Officials. The committee's meeting has been conducted on quarterly basis.</p>
49	<p>An Environmental cell shall be created at the project site itself and shall be headed by an officer of the company of appropriate seniority and qualification. It shall be ensured that the head of the cell shall directly report to the Head of the organization.</p>	<p>An Environmental Cell Headed by DGM-HSE is already in place, who directly reports to the Head of Organisation.</p>
50	<p>Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of</p>	<p>Regular monitoring of ground water quality including heavy metals is being carried out regularly in and around the Ash Dyke. Piezometer wells are established around the ash pond area and being regularly monitored. The reports dated 03.05.2022 & dated.15.09.2022. are attached as Annexure-7</p>

	this ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	
51	Monitoring of the surface quantity and quality shall also be regularly conducted, and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	No Ground Water is being abstracted as we are using Bhakra Canal water for generation of Power. The quality and quantity of the canal water is monitored, and records are being maintained. Latest reports dated 27.01.2022 are attached as Annexure-16 We are already monitoring heavy metals in the ground water by taking samples through a piezometer on a monthly basis and submitting the respective reports to the regional office of the PPCB at Patiala. The reports dated 03.05.2022 & dated.15.09.2022. are attached as Annexure-7
52	The environment statement for each financial year ending 31 st 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 along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Complied. The last environmental statement report was submitted on 28.09.2022 to the Integrated Regional Office of MoEF&CC at Chandigarh and the PPCB, Patiala.
53	The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.	HSE Policy has been framed and accordingly officers have been designated for achieving the objectives by adherence to the Policy. The organisation is certified for Integrated Management System requirements comprising of (ISO 9001, 14001 & 45001 & 50001)

Reference: Ministry of Environment & Forest-Environmental Clearance No -J-13011/44/2008- IA-II (T) dated 4th July2022, Amendment in Environment Clearance (EC).

54	An epidemiology study shall be carried out in every two years and report shall be submitted to Regional Office of MoEF&CC.	Epidemiology study is under progress.
55	A Public grievances redressal cell to address the social and environmental concerns shall be established under the supervision of project head, regular status of activities of the cell be submitted in six monthly compliance report.	A Public grievances redressal cell has been made under the chairmanship of O&M Head for address the social and environmental concern. The copy of Minutes of Meeting is attached herewith are attached as Annexure-17 .


Annexure – 1

Test Report of Sulphur % in Coal

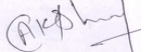
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209240003
	Sample Reg. Date :24-09-2022
	Report Date :24-09-2022
	Report No. :ICB-2209240006
	NABL ULR No. :TC592622000013351F
	Customer Ref. No. :- Letter Dated :-

Test Report as per IS :Party Specification	With Amendment No.(s):
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PART A : PARTICULARS OF SAMPLE SUBMITTED		
a)	Nature of Sample #	Coal Sample
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	
d)	Brand Name	NA
e)	Declared Values,if any	
f)	Code No.	
g)	Batch Number #	NA
h)	D.O.M #	NA
i)	Date of Expiry #	NA
j)	Sample Quantity #	100gm
k)	Batch Size #	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	24-09-2022
n)	Date of Start	24-09-2022
o)	Date of Completion	24-09-2022
p)	BIS Seal (Intact/Not Intact/Unsealed)	
q)	IO'S Signature (Signed/Unsigned)	
r)	Any Other Information	


 Kamal Grover
 24-09-2022
 Reviewer


 24-09-2022
 AksheySharma
 [Authorized Signatory]

Disclaimer :

- The report is only for the sample tested.
- Total liability of ITC Labs is limited to the invoiced amount.
- The test report shall not be reproduced except in full without the written approval of the laboratory.
- If samples not consumed during analysis, it will be stored and retain as per company policy.
- Samples not drawn by us unless otherwise stated.
- Test report in full or parts shall not be used for promotional or publicity purposes.
- Legal disputes are subjected to Panchkula Jurisdiction only.

Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209240003
	Sample Reg. Date :24-09-2022
	Report Date :24-09-2022
	Report No. :ICB-2209240006
	NABL ULR No. :TC592622000013351F
	Customer Ref. No. :-
	Letter Dated :-

s)	Test Request Submitted By	Nabha Power Limited - Rajpura (Punjab)
t)	Manufactured By#	Nabha Power Limited
u)	Supplied By#	Nabha Power Limited

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

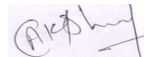
Description					
Description		sample received in good condition.			
S.No.	Parameter	Instrument	Method	Specification	Result
Discipline : Chemical					
Group : Chemicals Solid Fuels					
1. Chemical Parameters					
a.	Sulphur(as S)(%)	Muffle Furnace & Balance	IS: 1350 (P-3)		0.44

#' represents Customer Defined Fields

NOTE :

REMARKS :Party has asked for the above tests only.


Kamal Grover
24-09-2022
Reviewer


24-09-2022
AkshaySharma
[Authorized Signatory]

Disclaimer :

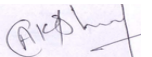
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209240003 Sample Reg. Date :24-09-2022 Report Date :24-09-2022 Report No. :ICB-2209240006 NABL ULR No. :TC592622000013351F Customer Ref. No. :- Letter Dated :-
--	--

*****End Of Report*****


Kamal Grover
24-09-2022
Reviewer


24-09-2022
AksheySharma
[Authorized Signatory]

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Annexure- 2

Stack Emission Monitoring Results and Photograph of Continuous Emission Monitoring System (CEMS).



PUNJAB POLLUTION CONTROL BOARD

AIR LABORATORY, HEAD OFFICE, VATAVARAN BHAWAN, PATIALA
Telefax: 0175-2302392

Email : ppchourlab@gmail.com

- | | |
|--|---|
| 1. Laboratory Sample No. | 874-75/H.O./Lab./Air/Monitoring/2022-23 |
| 2. Name of Industry | M/s Nabha Power Ltd, Rajpura, Distt. Patiala. |
| 3. Name of Sample collecting Officer | Mr. Garima Garg, A.E.I. and Dr Rupinder Kaur SA |
| 4. Designation of authorizing Test | Environmental Engineer, Regional Office Patiala |
| 5. Type of Sample | Stack Emission |
| 6. Date & Time of Sample collection | 22.9.2022 |
| 7. Date & Time of Sample receipt in Lab. | 23.9.2022 |
| 8. Point of Sample collection | Details as given below |

सं.सं.सि:- 1/2/3/S.A.

नवी दिवस

दि. 28/9/22

इसिटी नं. 2639... दिती 3/10/22

RESULTS

S.No.	Point of Sample Collection	Parameter	Results	Prescribed Standard
1.	From port hole on stack after APCD (Unit I - 700 MW 2322 TPH)	Particulate Matter (mg/Nm ³)	45	50
2.	From port hole on stack after APCD (Unit II - 700 MW 2322 TPH)	Particulate Matter (mg/Nm ³)	41	50

Note: If any other limits/specific standard has been prescribed time to time by MoEF&CC, CPCB and PPCB then those limits/specific standard would prevail subject to clarification from the concerned Regional Office.

Alpinder
29/9/2022

Analysed by

Shane
30/9/22

Scientific Officer
(Air Lab)

Endst. No: 20701-03

Di. 30/09/2022

A copy of the above is forwarded to the following for information and necessary action:

1. The Chief Environmental Engineer (Air), Punjab Pollution Control Board, Jalandhar
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-I, Patiala
3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Patiala

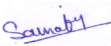
Alpinder
30/9/22

Asstt. Scientific Officer
(Air Lab)

Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170847
	Sample Reg. Date :17-06-2022
	Report Date :11-07-2022
	Report No. :ICE-2207110415
	NABL ULR No. :TC592622000009909F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: EPA Act 1986/PCLS/2010
Sampling Information :	
Date of Monitoring	: 15-06-2022
Time of Monitoring	: 15:40 to 16:40 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 2322 Ton/hrs
(b) Capacity on sampling day	: -do-
(c) Type of fuel used & its consumption	: Coal & 340 Ton/hrs
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler Unit-1
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 750
(6) Sampling Duration(minutes)	: 34
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESPs
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations :	


Saurabh Sharma
11-07-2022
Reviewer


11-07-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170847
	Sample Reg. Date :17-06-2022
	Report Date :11-07-2022
	Report No. :ICE-2207110415
	NABL ULR No. :TC592622000009909F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

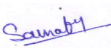
Flue Gas Temperature, °C,Avg.	: 155
Flue Gas Velocity(m/s),Avg.	: 22.08
Volumetric Flow Rate(Nm ³ /hr.)	: 23441.22
Ambient Air Temperature, °C	: 38


S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	General Parameters			
a.	Particulate Matter, mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-1)	Max. 50	44.20
b.	Sulphur Dioxide (SO ₂), mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-2)	Max. 200	1211.33
c.	Oxides of Nitrogen (NO _x), mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-7)	Max. 450	370.80
d.	Mercury(As Hg),mg/Nm ³	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Carbon Dioxide (CO ₂), %	IS:13270	Not Specified	11.4

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010 , Sample collected by lab rep. on dated 15.06.2022, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A


Saurabh Sharma
11-07-2022
Reviewer


11-07-2022
PremKumar
[Authorized Signatory]

Disclaimer :

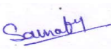
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Test Report

Document QF : 2501
Page 3 of 3

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170847 Sample Reg. Date :17-06-2022 Report Date :11-07-2022 Report No. :ICE-2207110415 NABL ULR No. :TC592622000009909F Customer Ref. No. :PO Letter Dated :01.12.2020
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*****End Of Report*****


Saurabh Sharma
11-07-2022
Reviewer


11-07-2022
PremKumar
[Authorized Signatory]

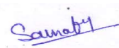
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170848
	Sample Reg. Date :17-06-2022
	Report Date :11-07-2022
	Report No. :ICE-2207110417
	NABL ULR No. :TC592622000009922F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: EPA Act 1986/PCLS/2010
Sampling Information :	
Date of Monitoring	: 15-06-2022
Time of Monitoring	: 06:20 to 16:54 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 2322 Ton/hrs
(b) Capacity on sampling day	: -do-
(c) Type of fuel used & its consumption	: Coal & 340 Ton/hrs
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler Unit-2
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 750
(6) Sampling Duration(minutes)	: 34
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESPS
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations :	


Saurabh Sharma
11-07-2022
Reviewer


11-07-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170848
	Sample Reg. Date :17-06-2022
	Report Date :11-07-2022
	Report No. :ICE-2207110417
	NABL ULR No. :TC592622000009922F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

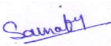
Flue Gas Temperature, °C,Avg.	: 159
Flue Gas Velocity(m/s),Avg.	: 22.38
Volumetric Flow Rate(Nm ³ /hr.)	: 23539.72
Ambient Air Temperature, °C	: 38

S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	General Parameters			
a.	Particulate Matter, mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-1)	Max. 50	46.19
b.	Sulphur Dioxide (SO ₂), mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-2)	Max. 200	1377.28
c.	Oxides of Nitrogen (NO _x), mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-7)	Max. 450	347.60
d.	Mercury(As Hg),mg/Nm ³	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Carbon Dioxide (CO ₂), %	IS:13270	Not Specified	11.8

represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification Requirements as per EPA Act 1986/PCLS/2010 , Sample collected by lab rep. on dated 15.06.2022, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A


Saurabh Sharma
11-07-2022
Reviewer


11-07-2022
PremKumar
[Authorized Signatory]

Disclaimer :

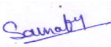
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Test Report

Document QF : 2501
Page 3 of 3

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170848 Sample Reg. Date :17-06-2022 Report Date :11-07-2022 Report No. :ICE-2207110417 NABL ULR No. :TC592622000009922F Customer Ref. No. :PO Letter Dated :01.12.2020
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*****End Of Report*****


Saurabh Sharma
11-07-2022
Reviewer


11-07-2022
PremKumar
[Authorized Signatory]

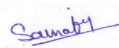
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130492
	Sample Reg. Date :13-09-2022
	Report Date :20-09-2022
	Report No. :ICE-2209200876
	NABL ULR No. :TC592622000013122F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: EPA Act 1986/PCLS/2010
Sampling Information :	
Date of Monitoring	: 10-09-2022
Time of Monitoring	: 11:35 to 12:23 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 2322 Ton
(b) Capacity on sampling day	: -do-
(c) Type of fuel used & its consumption	: Coal & 391 Ton /hrs
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler Unit-1
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 750
(6) Sampling Duration(minutes)	: 48
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESPs
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations :	


Saurabh Sharma
20-09-2022
Reviewer


20-09-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130492
	Sample Reg. Date :13-09-2022
	Report Date :20-09-2022
	Report No. :ICE-2209200876
	NABL ULR No. :TC592622000013122F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

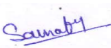
Flue Gas Temperature, °C,Avg.	: 107
Flue Gas Velocity(m/s),Avg.	: 23.16
Volumetric Flow Rate(Nm ³ /hr.)	: 2750368.47
Ambient Air Temperature, °C	: 34

S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	General Parameters			
a.	Particulate Matter, mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-1)	Max. 50	43.95
b.	Sulphur Dioxide (SO ₂), mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-2)	Max. 200	1218.37
c.	Oxides of Nitrogen (NO _x), mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-7)	Max. 450	378.33
d.	Mercury(As Hg),mg/Nm ³	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Carbon Dioxide (CO ₂), %	IS:13270	Not Specified	14.0

represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010 , Sample collected by lab rep. on dated 10.09.2022, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A


Saurabh Sharma
20-09-2022
Reviewer


20-09-2022
PremKumar
[Authorized Signatory]

Disclaimer :

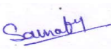
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Test Report

Document QF : 2501
Page 3 of 3

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130492 Sample Reg. Date :13-09-2022 Report Date :20-09-2022 Report No. :ICE-2209200876 NABL ULR No. :TC592622000013122F Customer Ref. No. :PO Letter Dated :01.12.2020
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*****End Of Report*****


Saurabh Sharma
20-09-2022
Reviewer


20-09-2022
PremKumar
[Authorized Signatory]

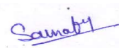
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130493
	Sample Reg. Date :13-09-2022
	Report Date :20-09-2022
	Report No. :ICE-2209200877
	NABL ULR No. :TC592622000013123F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: EPA Act 1986/PCLS/2010
Sampling Information :	
Date of Monitoring	: 10-09-2022
Time of Monitoring	: 13:45 to 14:33 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 2322 Ton
(b) Capacity on sampling day	: -do-
(c) Type of fuel used & its consumption	: Coal & 405 Ton/hrs
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler Unit-2
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 750
(6) Sampling Duration(minutes)	: 48
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESPs
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations :	


Saurabh Sharma
20-09-2022
Reviewer


20-09-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130493
	Sample Reg. Date :13-09-2022
	Report Date :20-09-2022
	Report No. :ICE-2209200877
	NABL ULR No. :TC592622000013123F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

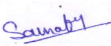
Flue Gas Temperature, °C,Avg.	: 109
Flue Gas Velocity(m/s),Avg.	: 22.84
Volumetric Flow Rate(Nm ³ /hr.)	: 2698165.96
Ambient Air Temperature, °C	: 34

S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	General Parameters			
a.	Particulate Matter, mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-1)	Max. 50	47.41
b.	Sulphur Dioxide (SO ₂), mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-2)	Max. 200	1380.62
c.	Oxides of Nitrogen (NO _x), mg/Nm ³ (Corrected to 6% O ₂ on dry basis)	IS:11255(P-7)	Max. 450	365.51
d.	Mercury(As Hg),mg/Nm ³	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Carbon Dioxide (CO ₂), %	IS:13270	Not Specified	14.0

represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010 , Sample collected by lab rep. on dated 10.09.2022, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A


Saurabh Sharma
20-09-2022
Reviewer


20-09-2022
PremKumar
[Authorized Signatory]

Disclaimer :

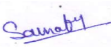
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Test Report

Document QF : 2501
Page 3 of 3

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130493 Sample Reg. Date :13-09-2022 Report Date :20-09-2022 Report No. :ICE-2209200877 NABL ULR No. :TC592622000013123F Customer Ref. No. :PO Letter Dated :01.12.2020
---	--

*****End Of Report*****


Saurabh Sharma
20-09-2022
Reviewer


20-09-2022
PremKumar
[Authorized Signatory]

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Annexure-2



Continuous emission monitoring system installed at main stack for measurement of Particulate Matter & Gaseous Emissions.

Annexure- 3

Measures taken to control fugitive emissions

Annexure-3



Dust Extraction System at Crusher House



Dust Extraction System at Bunker

Annexure-3

1. Measures taken to control fugitive emissions during coal handling



Covered conveyors for transfer of coal from Wagon tippler to coal bunkers for abatement of fugitive emissions



Dust suppression (sprinkler system) provided at each coal stockpile to arrest Dust



Automated and Mechanized Coal handling System to minimize manual operations



Three side covered windscreen to control fugitive emissions due to wind flow

Annexure-3



Dust Suppression System installed at Wagon Tippler Area to control Fugitive Emission During Unloading of Coal.

Annexure-4

Fly Ash Utilization Report

**NPL 2x700MW,RAJPURA,
ASH GENERATION AND UTILIZATION REPORT FY 2022-23,
UP TO SEPTEMBER-2022.**

Month	Total Ash Generated	Total Ash Utilized	% Utilization
Apr-22	191423	194934	101.83%
May-22	195756	204143	104.28%
Jun-22	1,82,967	1,80,834	98.83%
Jul-22	1,64,433	1,65,274	100.51%
Aug-22	1,85,148	1,80,045	97.24%
Sep-22	1,78,925	1,71,809	96.02%
Total	10,98,652	10,97,039	99.85%

Annexure-5

Heavy Metal Analysis in Fly Ash & Bottom Ash Report

Test Report

Document QF : 2501
Page 1 of 2

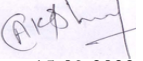
Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209120005 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICB-2209150004 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

Test Report as per IS :Party Specification	With Amendment No.(s):
---	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	Fly Ash
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	
d)	Brand Name	NA
e)	Declared Values,if any	
f)	Code No.	
g)	Batch Number #	NA
h)	D.O.M #	NA
i)	Date of Expiry #	NA
j)	Sample Quantity #	500gm
k)	Batch Size #	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	12-09-2022
n)	Date of Start	13-09-2022
o)	Date of Completion	14-09-2022
p)	BIS Seal (Intact/Not Intact/Unsealed)	
q)	IO'S Signature (Signed/Unsigned)	
r)	Any Other Information	Sample collected by lab rep. on 10.09.2022
s)	Test Request Submitted By	Nabha Power Limited - Rajpura (Punjab)
t)	Manufactured By #	Nabha Power Limited


 Kamal Grover
 15-09-2022
 Reviewer


 15-09-2022
 AkshaySharma
 [Authorized Signatory]

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209120005 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICB-2209150004 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

u)	Supplied By#	Nabha Power Limited
----	--------------	---------------------

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description					
Description		Grey color powder			
S.No.	Parameter	Instrument	Method	Specification	Result
Discipline : Chemical					
Group : Chemical Building Material					
1.	Heavy Metals				
a.	Lead(as Pb)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
b.	Mercury(as Hg)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
c.	Arsenic(as As)(mg/kg)	ICPOES	STP/ITC/F/INST/008		6.08
d.	Chromium(as Cr)(mg/kg)	ICPOES	STP/ITC/F/INST/008		2.36

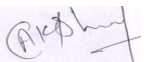
represents Customer Defined Fields

NOTE :

REMARKS :Party has asked for the above tests only.

*****End Of Report*****


Kamal Grover
15-09-2022
Reviewer


15-09-2022
AkshaySharma
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 1 of 2

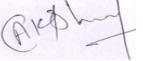
Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209120006 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICB-2209150001 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

Test Report as per IS :Party Specification	With Amendment No.(s):
---	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	Bottom Ash
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	
d)	Brand Name	NA
e)	Declared Values,if any	
f)	Code No.	
g)	Batch Number #	NA
h)	D.O.M #	NA
i)	Date of Expiry #	NA
j)	Sample Quantity #	500gm
k)	Batch Size #	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	12-09-2022
n)	Date of Start	13-09-2022
o)	Date of Completion	14-09-2022
p)	BIS Seal (Intact/Not Intact/Unsealed)	
q)	IO'S Signature (Signed/Unsigned)	
r)	Any Other Information	Sample collected by lab rep. on 10.09.2022
s)	Test Request Submitted By	Nabha Power Limited - Rajpura (Punjab)
t)	Manufactured By #	Nabha Power Limited


 Kamal Grover
 15-09-2022
 Reviewer


 15-09-2022
 AksheySharma
 [Authorized Signatory]

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209120006 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICB-2209150001 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

u)	Supplied By#	Nabha Power Limited
----	--------------	---------------------

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description					
Description		Black color powder			
S.No.	Parameter	Instrument	Method	Specification	Result
Discipline : Chemical					
Group : Chemical Building Material					
1.	Heavy Metals				
a.	Lead(as Pb)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
b.	Mercury(as Hg)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
c.	Arsenic(as As)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
d.	Chromium(as Cr)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)

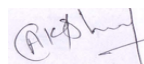
represents Customer Defined Fields

NOTE :

REMARKS :Party has asked for the above tests only.

*****End Of Report*****


Kamal Grover
15-09-2022
Reviewer


15-09-2022
Akshay Sharma
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 1 of 2

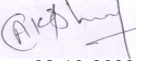
Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2210030001
	Sample Reg. Date :03-10-2022
	Report Date :08-10-2022
	Report No. :ICB-2210080001
	Customer Ref. No.: PO
Letter Dated :01.12.2020	

Test Report as per IS :Party Specification	With Amendment No.(s):
---	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	Coal Sample
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	
d)	Brand Name	NA
e)	Declared Values,if any	
f)	Code No.	
g)	Batch Number #	NA
h)	D.O.M #	NA
i)	Date of Expiry #	NA
j)	Sample Quantity #	50gm
k)	Batch Size #	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	03-10-2022
n)	Date of Start	06-10-2022
o)	Date of Completion	06-10-2022
p)	BIS Seal (Intact/Not Intact/Unsealed)	
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	
s)	Test Request Submitted By	Nabha Power Limited - Rajpura (Punjab)
t)	Manufactured By #	NA


Kamal Grover
08-10-2022
Reviewer


08-10-2022
AkshaySharma
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2210030001 Sample Reg. Date :03-10-2022 Report Date :08-10-2022 Report No. :ICB-2210080001 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

u)	Supplied By#	Nabha Power Limited
----	--------------	---------------------

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description					
Description		Coal Sample (Sample received in good condition)			
S.No.	Parameter	Instrument	Method	Specification	Result
Discipline : Chemical					
Group : Chemicals Solid Fuels					
1.	Heavy Metals				
a.	Lead(as Pb)(mg/kg)	ICPOES	STP/ITC/F/INST/008		15.43
b.	Mercury(as Hg)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
c.	Arsenic(as As)(mg/kg)	ICPOES	STP/ITC/F/INST/008		1.32
d.	Chromium(as Cr)(mg/kg)	ICPOES	STP/ITC/F/INST/008		13.96

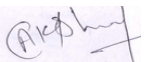
represents Customer Defined Fields

NOTE :

REMARKS :Party has asked for the above tests only.

*****End Of Report*****


Kamal Grover
08-10-2022
Reviewer


08-10-2022
AkshaySharma
[Authorized Signatory]

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Annexure-6

Treated Sewage Monitoring Results

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT

ਮ.ਦ.ਟਿ.:- 12/3/22 A
 ਠੀਕ ਠੀਕ
 ਟਿ. 12/10/22


- | | |
|--|--|
| 1. Laboratory Sample No. | E-1247/ H.O.Lab. Monitoring/2022 |
| 2. ULR No. | ULR-TC70451800000005384 |
| 3. Name of Industry | M/s Nabha Power Ltd, Village Nalash, Rajpura, Patiala. |
| 4. Name of Sample collecting Officer | Er. Garima Garg, AEE |
| 5. Designation of the officer authorizing Test | Environmental Engineer, Regional Office, Patiala |
| 6. Type of Sample | Grab |
| 7. Date & Time of Sample collection | 22.09.2022 |
| 8. Date & Time of Sample receipt in Lab. | 23.09.2022 |
| 9. Period of Analysis | 23.09.2022 to 11.10.2022 |
| 10. Test Methods | As per relevant parts of IS:3025/IS:1622 & Methods of APHA |

Results

Sr. No.	Parameters	Final Outlet of STP
1.	pH	7.4
2.	Total Suspended Solids mg/l	15
3.	Total Dissolved Solids mg/l	440
4.	Chemical Oxygen Demand mg/l	36
5.	Bio-chemical Oxygen Demand mg/l	7
6.	Oil & Grease mg/l	BDL

Note: No Specific standards prescribed as per EPA, However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

---End of Report---


 Scientific Officer
 Dt. 14/10/2022

Endst. No: 21745-47

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-I, Patiala
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Patiala.



 Asst. Scientific Officer
 Dt. 12/10/22

Test Report

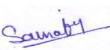
Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170846 Sample Reg. Date :17-06-2022 Report Date :02-07-2022 Report No. :ICE-2207020125 NABL ULR No. :TC592622000009626F Customer Ref. No.: PO Letter Dated :01.12.2020
---	--


Test Report as per IS: EPA Act 1986/PCLS/2010	With Amendment No.(s):
--	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	STP Outlet Water
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in can
m)	Date of Receipt	17-06-2022
n)	Date of Start	17-06-2022
o)	Date of Completion	25-06-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample collected by lab rep. on 13.06.2022


 25-06-2022
Gaurav Khandelwal
 [Authorized Signatory]


 Saurabh Sharma
 02-07-2022
Reviewer


 02-07-2022
PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170846 Sample Reg. Date :17-06-2022 Report Date :02-07-2022 Report No. :ICE-2207020125 NABL ULR No. :TC592622000009626F Customer Ref. No.: PO Letter Dated :01.12.2020
---	--

s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

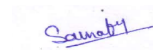
PART B : SUPPLIMENTARY INFORMATIONS


a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	STP Outlet Water			
S.No.	Parameters	Method	Specification	Result
	Discipline : Chemical			
	Group : Pollution & Environment			
1.	General Parameters			
a.	Colour	IS 3025 (Part 4) : 2021	Not Specified	Colourless
b.	Odour	IS 3025 (Part 5) : 2018	Not Specified	None
c.	pH Value	IS: 3025 (Part 11): 2017	6-9	7.65
d.	Total Suspended Solids,(mg/L)	IS 3025 (Part 17): 2017	Max. 100	12
e.	Chemical Oxygen Demand(mg/L)	IS 3025 (Part 58) : 2017	Not Specified	27
f.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS 3025 (Part 44) : 2019	Max. 30	5
g.	Total Kjeldahl Nitrogen as N (mg/L)	IS 3025 (Part 34) : 2019	Max. 100	2


 25-06-2022
Gaurav Khandelwal
 [Authorized Signatory]


 Saurabh Sharma
 02-07-2022
Reviewer


 02-07-2022
PremKumar
 [Authorized Signatory]

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	Sample Reg. Date :17-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020125
	NABL ULR No. :TC592622000009626F
	Customer Ref. No.: PO
Letter Dated :01.12.2020	

h.	Total Phosphorous as P (mg/L)	APHA 23rd Edition 4500-P D: 2017	Not Specified	0.9
Discipline : Biological				
Group : Pollution & Environment				
1.	Microbiological Tests			
a.	Faecal Coliform, MPN/100ml	APHA-23 rd Edn 17-9221 F	Max. 1000	110

'#' represents Customer Defined Fields

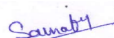
NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self Monitoring

REMARKS :N/A

*****End Of Report*****



25-06-2022
Gaurav Khandelwal
[Authorized Signatory]



Saurabh Sharma
02-07-2022
Reviewer



02-07-2022
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825
Email : customersupport@itclabs.com
Visit us : www.itclabs.com

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Test Report

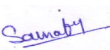
Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120419
	Sample Reg. Date :12-09-2022
	Report Date :19-09-2022
	Report No. :ICE-2209190833
	NABL ULR No. :TC592622000013094F
	Customer Ref. No.: PO
Letter Dated :01.12.2020	

Test Report as per IS: EPA Act 1986/PCLS/2010	With Amendment No.(s):
--	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	STP Outlet Water
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr 100ml
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in can & in plastic container
m)	Date of Receipt	12-09-2022
n)	Date of Start	12-09-2022
o)	Date of Completion	19-09-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample collected by lab rep. on 09.09.2022


19-09-2022
Gaurav Khandelwal
[Authorized Signatory]


Saurabh Sharma
19-09-2022
Reviewer


19-09-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120419
	Sample Reg. Date :12-09-2022
	Report Date :19-09-2022
	Report No. :ICE-2209190833
	NABL ULR No. :TC592622000013094F
	Customer Ref. No.: PO
	Letter Dated :01.12.2020

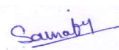
s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description				
Description		STP Outlet Water		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Pollution & Environment				
1. General Parameters				
a.	Colour	IS 3025 (Part 4) : 2021	Not Specified	Colourless
b.	pH Value	IS: 3025 (Part 11): 2017	6.5-9	6.79
c.	Total Suspended Solids,(mg/L)	IS 3025 (Part 17): 2017	Max. 100	8
d.	Chemical Oxygen Demand(mg/L)	IS 3025 (Part 58) : 2017	Not Specified	36
e.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS 3025 (Part 44) : 2019	Max. 30	6
f.	Total Kjeldahl Nitrogen as N (mg/L)	IS 3025 (Part 34) : 2019	Max. 100	3
g.	Total Phosphorous as P (mg/L)	APHA 23rd Edition 4500 - P D: 2017	Not Specified	0.15


19-09-2022
Gaurav Khandelwal
[Authorized Signatory]


Saurabh Sharma
19-09-2022
Reviewer


19-09-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120419
	Sample Reg. Date :12-09-2022
	Report Date :19-09-2022
	Report No. :ICE-2209190833
	NABL ULR No. :TC592622000013094F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

	Discipline : Biological			
	Group : Pollution & Environment			
1.	Microbiological Tests			
a.	Faecal Coliform, MPN/100ml	APHA-23 rd Edn 17-9221 F	Max. 1000	693

represents Customer Defined Fields

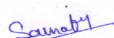
NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self Monitoring

REMARKS : N/A

*****End Of Report*****



19-09-2022
Gaurav Khandelwal
[Authorized Signatory]



Saurabh Sharma
19-09-2022
Reviewer



19-09-2022
PremKumar
[Authorized Signatory]

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Annexure-7

Ground Water Quality Monitoring Results

**PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
GROUND WATER REPORT**

- | | | |
|--|--|------------------------|
| 1. Laboratory Sample No. | GW 147-150/ H.O.Lab./ G.W. Monitoring/2022 | |
| 2. ULR Number | ULR-TC704518000000005388 | |
| 3. Name of Industry | Ground Water Samples taken from
M/s Nabha Power Limited, Rajpura. | |
| 4. Name of Sample collecting Officer | Er. Garima Garg, (AEE) | ਸ:ਦ:ਦਿ:-1/2/3/S.A. |
| 5. Designation of authorizing Test | EE, RO, Patiala. | ਨਵੀਂ ਭਾਕ |
| 6. Date & Time of Sample collection | 22.09.2022 | |
| 7. Date & Time of Sample receipt in Lab. | 23.09.2022 | ਦਿ: ਦਿ: 22/9/22 |
| 8. Period of Analysis | 23.09.2022 to 11.10.2022 | ਭਾਇਰੀ ਨੰ.....ਮਿਤੀ..... |
| 9. Test Methods | As per relevant parts of IS:3025 &
Methods of APHA | |

Results

Sr. no.	Parameters	Near Coal Handling Plant	Near Storm Water Sump	Along ash dyke	Between Ash dyke and reservior
1	pH	7.7	7.8	7.2	7.2
2	Total Suspended Solids mg/l	BDL	BDL	BDL	BDL
3	Total Dissolved Solids mg/l	334	295	434	704
4	Chemical Oxygen Demand mg/l	BDL	BDL	BDL	BDL
5	Bio-Chemical Oxygen Demand mg/l	BDL	BDL	BDL	BDL
6	Total Hardness mg/l	104	97	138	230
7	Calcium Hardness mg/l	68	64	97	159
8	Magnesium Hardness mg/l	36	33	41	71
9	Total Alkalinity mg/l	220	192	324	436
10	Chloride mg/l	30	28	39	78
11	Sulphate mg/l	17	19	24	36
12	Mercury mg/l	BDL	BDL	BDL	BDL
13	Magnesium mg/l	9	8	10	17
14	Lead mg/l	BDL	BDL	BDL	BDL
15	Total Chromium mg/l	BDL	BDL	BDL	BDL

Note: BDL means Below Method Detection Limit.

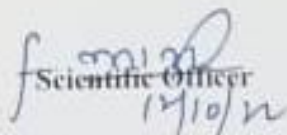
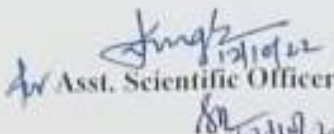
--End of Report--

Endst. No: 21679-81

Di. 14/10/2022

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office, -I, Patiala.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Patiala.



 Scientific Officer
 14/10/22

 Asst. Scientific Officer
 14/10/22

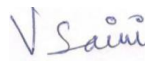
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170842 Sample Reg. Date :17-06-2022 Report Date :27-06-2022 Report No. :ICE-2206271084 NABL ULR No. :TC592622000009247F Customer Ref. No.: PO Letter Dated :09.07.2021
---	--

Test Report as per IS:IS 10500 - 2012	With Amendment No.(s):01 to 04
---------------------------------------	--------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water (Piezometer)
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in cans
m)	Date of Receipt	17-06-2022
n)	Date of Start	17-06-2022
o)	Date of Completion	25-06-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ram Gopal on 14.06.2022, Sample from Piezometer-1


 Vikrant
 27-06-2022
 Reviewer


 27-06-2022
 PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170842
	Sample Reg. Date :17-06-2022
	Report Date :27-06-2022
	Report No. :ICE-2206271084
	NABL ULR No. :TC592622000009247F
	Customer Ref. No.: PO
	Letter Dated :09.07.2021

s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	Colorless liquid with suspended particles				
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
	Discipline : Chemical				
	Group : Water				
1.	Organoleptic &Physical Parameter				
a.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.21
2.	General Parameters				
a.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)		Not Specified	2
b.	Total Dissolved Solids (mg/L)	IS:3025(P-16)	500 Max.	2000 Max.	492
c.	Chemical Oxygen Demand(mg/L)	IS: 3025(Part-58)		Not Specified	BLQ(LOQ:4.0)
d.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)		Not Specified	BLQ(LOQ:1.0)

V Saini
Vikrant
27-06-2022
Reviewer

PremKumar
27-06-2022
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825
Email : customersupport@itclabs.com
Visit us :www.itclabs.com

Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170842 Sample Reg. Date :17-06-2022 Report Date :27-06-2022 Report No. :ICE-2206271084 NABL ULR No. :TC592622000009247F Customer Ref. No.: PO Letter Dated :09.07.2021
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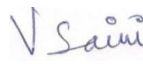
3.	Parameters Concerning Undesirable Substances in excess amount				
a.	Total Hardness(as CaCO ₃)(mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	99.4
4.	Parameters Concerning Toxic Substances				
a.	Lead(as Pb)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Mercury(as Hg)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
c.	Total Arsenic(as As)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	0.05 Max.	BLQ(LOQ:0.002)
d.	Total Chromium(as Cr)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030

REMARKS :N/A

*****End Of Report*****


 Vikrant
 27-06-2022
 Reviewer


 27-06-2022
 PremKumar
 [Authorized Signatory]

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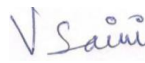
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170843 Sample Reg. Date :17-06-2022 Report Date :27-06-2022 Report No. :ICE-2206271085 NABL ULR No. :TC592622000009249F Customer Ref. No.: PO Letter Dated :09.07.2021
---	--

Test Report as per IS:IS 10500 - 2012	With Amendment No.(s):01 to 04
---------------------------------------	--------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water (Piezometer)
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in cans
m)	Date of Receipt	17-06-2022
n)	Date of Start	17-06-2022
o)	Date of Completion	25-06-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ram Gopal on 14.06.2022, Sample from Piezometer-2


 Vikrant
 27-06-2022
 Reviewer


 27-06-2022
 PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170843
	Sample Reg. Date :17-06-2022
	Report Date :27-06-2022
	Report No. :ICE-2206271085
	NABL ULR No. :TC592622000009249F
	Customer Ref. No.: PO
	Letter Dated :09.07.2021

s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	Colorless liquid with suspended particles				
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
	Discipline : Chemical				
	Group : Water				
1.	Organoleptic &Physical Parameter				
a.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.24
2.	General Parameters				
a.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)		Not Specified	3
b.	Total Dissolved Solids (mg/L)	IS:3025(P-16)	500 Max.	2000 Max.	480
c.	Chemical Oxygen Demand(mg/L)	IS: 3025(Part-58)		Not Specified	BLQ(LOQ:4.0)
d.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)		Not Specified	BLQ(LOQ:1.0)

V Saini
Vikrant
27-06-2022
Reviewer

PremKumar
27-06-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170843 Sample Reg. Date :17-06-2022 Report Date :27-06-2022 Report No. :ICE-2206271085 NABL ULR No. :TC592622000009249F Customer Ref. No.: PO Letter Dated :09.07.2021
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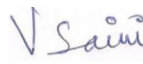
3.	Parameters Concerning Undesirable Substances in excess amount				
a.	Total Hardness(as CaCO ₃)(mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	97.5
4.	Parameters Concerning Toxic Substances				
a.	Lead(as Pb)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Mercury(as Hg)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
c.	Total Arsenic(as As)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	0.05 Max.	BLQ(LOQ:0.002)
d.	Total Chromium(as Cr)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030

REMARKS :N/A

*****End Of Report*****


 Vikrant
 27-06-2022
 Reviewer


 27-06-2022
 PremKumar
 [Authorized Signatory]

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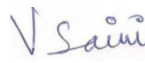
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170844 Sample Reg. Date :17-06-2022 Report Date :27-06-2022 Report No. :ICE-2206271086 NABL ULR No. :TC592622000009251F Customer Ref. No.: PO Letter Dated :09.07.2021
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Test Report as per IS:IS 10500 - 2012	With Amendment No.(s):01 to 04
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PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water (Piezometer)
b)	Sample Condition	Good
c)	Brand Name	NA
d)	Code No.	
e)	Batch Number#	NA
f)	D.O.M#	NA
g)	Date of Expiry#	NA
h)	Sample Quantity#	2 Ltr
i)	Batch Size/Location#	NA
j)	Mode of Packing	Packed in cans
k)	Date of Receipt	17-06-2022
l)	Date of Start	17-06-2022
m)	Date of Completion	25-06-2022
n)	Seal (Intact/Not Intact/Unsealed)	NA
o)	IO'S Signature (Signed/Unsigned)	Unsigned
p)	Any Other Information	Sample Collected by lab rep. Mr. Ram Gopal on 15.06.2022, Sample from Piezometer-3
q)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
r)	Manufactured By#	NA


 Vikrant
 27-06-2022
 Reviewer


 27-06-2022
 PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170844
	Sample Reg. Date :17-06-2022
	Report Date :27-06-2022
	Report No. :ICE-2206271086
	NABL ULR No. :TC592622000009251F
	Customer Ref. No. :PO
	Letter Dated :09.07.2021

s)	Supplied By #	NA
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PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description					
Description		Colorless liquid with suspended particles			
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
Discipline : Chemical					
Group : Water					
1. Organoleptic & Physical Parameter					
a.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.26
2. General Parameters					
a.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)		Not Specified	1
b.	Total Dissolved Solids (mg/L)	IS:3025(P-16)	500 Max.	2000 Max.	475
c.	Chemical Oxygen Demand(mg/L)	IS: 3025(Part-58)		Not Specified	BLQ(LOQ:4.0)
d.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)		Not Specified	BLQ(LOQ:1.0)
3. Parameters Concerning Undesirable Substances in excess amount					
a.	Total Hardness(as CaCO ₃),(mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	96.6
4. Parameters Concerning Toxic Substances					

V Saini
Vikrant
27-06-2022
Reviewer

PremKumar
27-06-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170844 Sample Reg. Date :17-06-2022 Report Date :27-06-2022 Report No. :ICE-2206271086 NABL ULR No. :TC592622000009251F Customer Ref. No.: PO Letter Dated :09.07.2021
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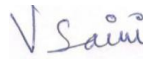
a.	Lead(as Pb)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Mercury(as Hg)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
c.	Total Arsenic(as As)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	0.05 Max.	BLQ(LOQ:0.002)
d.	Total Chromium(as Cr)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030

REMARKS :N/A

*****End Of Report*****


 Vikrant
 27-06-2022
 Reviewer


 27-06-2022
 PremKumar
 [Authorized Signatory]

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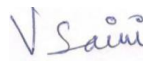
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170845 Sample Reg. Date :17-06-2022 Report Date :27-06-2022 Report No. :ICE-2206271087 NABL ULR No. :TC592622000009252F Customer Ref. No.: PO Letter Dated :09.07.2021
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Test Report as per IS:IS 10500 - 2012	With Amendment No.(s):01 to 04
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PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water (Piezometer)
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in cans
m)	Date of Receipt	17-06-2022
n)	Date of Start	17-06-2022
o)	Date of Completion	25-06-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ram Gopal on 15.06.2022, Sample from Piezometer-4


 Vikrant
 27-06-2022
 Reviewer


 27-06-2022
 PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170845
	Sample Reg. Date :17-06-2022
	Report Date :27-06-2022
	Report No. :ICE-2206271087
	NABL ULR No. :TC592622000009252F
	Customer Ref. No.: PO
	Letter Dated :09.07.2021

s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	Colourless with suspended particles				
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
	Discipline : Chemical				
	Group : Water				
1.	Organoleptic &Physical Parameter				
a.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.40
2.	General Parameters				
a.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)		Not Specified	2
b.	Total Dissolved Solids (mg/L)	IS:3025(P-16)	500 Max.	2000 Max.	471
c.	Chemical Oxygen Demand(mg/L)	IS: 3025(Part-58)		Not Specified	BLQ(LOQ:4.0)
d.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)		Not Specified	BLQ(LOQ:1.0)

V Saini
Vikrant
27-06-2022
Reviewer

PremKumar
27-06-2022
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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Panchkula-134109 (Haryana)
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Email : customersupport@itclabs.com
Visit us :www.itclabs.com

Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206170845 Sample Reg. Date :17-06-2022 Report Date :27-06-2022 Report No. :ICE-2206271087 NABL ULR No. :TC592622000009252F Customer Ref. No.: PO Letter Dated :09.07.2021
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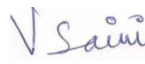
3.	Parameters Concerning Undesirable Substances in excess amount				
a.	Total Hardness(as CaCO ₃)(mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	95.7
4.	Parameters Concerning Toxic Substances				
a.	Lead(as Pb)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Mercury(as Hg)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
c.	Total Arsenic(as As)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	0.05 Max.	BLQ(LOQ:0.002)
d.	Total Chromium(as Cr)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030

REMARKS :N/A

*****End Of Report*****


 Vikrant
 27-06-2022
 Reviewer


 27-06-2022
 PremKumar
 [Authorized Signatory]

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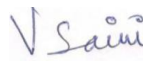
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100385 Sample Reg. Date :10-09-2022 Report Date :15-09-2022 Report No. :ICE-2209150581 NABL ULR No. :TC592622000012935F Customer Ref. No.: PO Letter Dated :09.07.2021
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Test Report as per IS:IS 10500 - 2012	With Amendment No.(s):01 to 04
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PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in can
m)	Date of Receipt	10-09-2022
n)	Date of Start	10-09-2022
o)	Date of Completion	13-09-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ashutosh on 09.08.2022, Sample from Piezometer-1


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100385
	Sample Reg. Date :10-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150581
	NABL ULR No. :TC592622000012935F
	Customer Ref. No.: PO
	Letter Dated :09.07.2021

s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	Liquid Sample with suspended particles				
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
	Discipline : Chemical				
	Group : Water				
1.	Organoleptic &Physical Parameter				
a.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.20
2.	General Parameters				
a.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)		Not Specified	5
b.	Total Dissolved Solids (mg/L)	IS:3025(P-16)	500 Max.	2000 Max.	486
c.	Chemical Oxygen Demand(mg/L)	IS: 3025(Part-58)		Not Specified	BLQ(LOQ: 4.0)
d.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)		Not Specified	BLQ(LOQ: 1.0)

V Saini
Vikrant
15-09-2022
Reviewer

PremKumar
15-09-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100385 Sample Reg. Date :10-09-2022 Report Date :15-09-2022 Report No. :ICE-2209150581 NABL ULR No. :TC592622000012935F Customer Ref. No.: PO Letter Dated :09.07.2021
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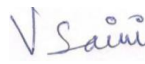
3.	Parameters Concerning Undesirable Substances in excess amount				
a.	Total Hardness(as CaCO ₃)(mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	97
4.	Parameters Concerning Toxic Substances				
a.	Lead(as Pb)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Mercury(as Hg)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
c.	Total Arsenic(as As)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	0.05 Max.	BLQ(LOQ:0.002)
d.	Total Chromium(as Cr)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030. Sample Consumed in testing

REMARKS :N/A

*****End Of Report*****


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
 [Authorized Signatory]

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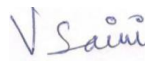
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100386
	Sample Reg. Date :10-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150583
	NABL ULR No. :TC592622000012936F
	Customer Ref. No.: PO
Letter Dated :09.07.2021	

Test Report as per IS:IS 10500 - 2012	With Amendment No.(s): 01 to 04
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PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in can
m)	Date of Receipt	10-09-2022
n)	Date of Start	10-09-2022
o)	Date of Completion	13-09-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ashutosh on 09.09.2022, Sample from Piezometer-2


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
 [Authorized Signatory]

Disclaimer :

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100386
	Sample Reg. Date :10-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150583
	NABL ULR No. :TC592622000012936F
	Customer Ref. No.: PO
	Letter Dated :09.07.2021

s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	Liquid with suspended particles				
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
	Discipline : Chemical				
	Group : Water				
1.	Organoleptic &Physical Parameter				
a.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.10
2.	General Parameters				
a.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)		Not Specified	5
b.	Total Dissolved Solids (mg/L)	IS:3025(P-16)	500 Max.	2000 Max.	490
c.	Chemical Oxygen Demand(mg/L)	IS: 3025(Part-58)		Not Specified	BLQ(LOQ: 4.0)
d.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)		Not Specified	BLQ(LOQ: 1.0)

V Saini
Vikrant
15-09-2022
Reviewer

PremKumar
15-09-2022
PremKumar
[Authorized Signatory]

Disclaimer :

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Interstellar Testing Centre Pvt. Ltd.

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Panchkula-134109 (Haryana)
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Email : customersupport@itclabs.com
Visit us :www.itclabs.com

Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100386 Sample Reg. Date :10-09-2022 Report Date :15-09-2022 Report No. :ICE-2209150583 NABL ULR No. :TC592622000012936F Customer Ref. No. :PO Letter Dated :09.07.2021
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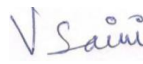
3.	Parameters Concerning Undesirable Substances in excess amount				
a.	Total Hardness(as CaCO ₃)(mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	98.9
4.	Parameters Concerning Toxic Substances				
a.	Lead(as Pb)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Mercury(as Hg)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
c.	Total Arsenic(as As)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	0.05 Max.	BLQ(LOQ:0.002)
d.	Total Chromium(as Cr)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030. Sample Consumed in testing

REMARKS :N/A

*****End Of Report*****


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
 [Authorized Signatory]

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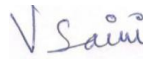
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100387
	Sample Reg. Date :10-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150584
	NABL ULR No. :TC592622000012937F
	Customer Ref. No.: PO
Letter Dated :09.07.2021	

Test Report as per IS:IS 10500 - 2012	With Amendment No.(s): 01 to 04
--	--

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in can
m)	Date of Receipt	10-09-2022
n)	Date of Start	10-09-2022
o)	Date of Completion	13-09-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ashutosh on 09.09.2022, Sample from Piezometer-3


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100387
	Sample Reg. Date :10-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150584
	NABL ULR No. :TC592622000012937F
	Customer Ref. No.: PO
	Letter Dated :09.07.2021

s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	liquid with suspended particles				
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
	Discipline : Chemical				
	Group : Water				
1.	Organoleptic &Physical Parameter				
a.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.04
2.	General Parameters				
a.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)		Not Specified	5
b.	Total Dissolved Solids (mg/L)	IS:3025(P-16)	500 Max.	2000 Max.	483
c.	Chemical Oxygen Demand(mg/L)	IS: 3025(Part-58)		Not Specified	BLQ(LOQ: 4.0)
d.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)		Not Specified	BLQ(LOQ: 1.0)

V Saini
Vikrant
15-09-2022
Reviewer

PremKumar
15-09-2022
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825
Email : customersupport@itclabs.com
Visit us :www.itclabs.com

Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100387 Sample Reg. Date :10-09-2022 Report Date :15-09-2022 Report No. :ICE-2209150584 NABL ULR No. :TC592622000012937F Customer Ref. No. :PO Letter Dated :09.07.2021
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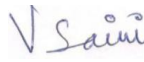
3.	Parameters Concerning Undesirable Substances in excess amount				
a.	Total Hardness(as CaCO ₃)(mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	91.2
4.	Parameters Concerning Toxic Substances				
a.	Lead(as Pb)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Mercury(as Hg)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
c.	Total Arsenic(as As)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	0.05 Max.	BLQ(LOQ:0.002)
d.	Total Chromium(as Cr)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030. Sample Consumed in testing

REMARKS :N/A

*****End Of Report*****


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
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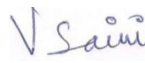
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100388 Sample Reg. Date :10-09-2022 Report Date :15-09-2022 Report No. :ICE-2209150585 NABL ULR No. :TC592622000012938F Customer Ref. No.: PO Letter Dated :09.07.2021
---	--

Test Report as per IS:IS 10500 - 2012	With Amendment No.(s):01 to 04
---------------------------------------	--------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in can
m)	Date of Receipt	10-09-2022
n)	Date of Start	10-09-2022
o)	Date of Completion	13-09-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ashutosh on 09.09.2022, Sample from Piezometer-4


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209100388
	Sample Reg. Date :10-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150585
	NABL ULR No. :TC592622000012938F
	Customer Ref. No. :PO
	Letter Dated :09.07.2021

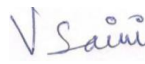
s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description		Liquid with suspended particles			
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
Discipline : Chemical					
Group : Water					
1. Organoleptic &Physical Parameter					
a.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.03
2. General Parameters					
a.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)		Not Specified	3
b.	Total Dissolved Solids (mg/L)	IS:3025(P-16)	500 Max.	2000 Max.	486
c.	Chemical Oxygen Demand(mg/L)	IS: 3025(Part-58)		Not Specified	BLQ(LOQ: 4.0)
d.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)		Not Specified	BLQ(LOQ: 1.0)


Vikrant
15-09-2022
Reviewer


15-09-2022
PremKumar
[Authorized Signatory]

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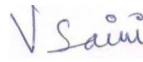
3.	Parameters Concerning Undesirable Substances in excess amount				
a.	Total Hardness(as CaCO ₃)(mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	95.1
4.	Parameters Concerning Toxic Substances				
a.	Lead(as Pb)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Mercury(as Hg)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
c.	Total Arsenic(as As)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.01 Max.	0.05 Max.	BLQ(LOQ:0.002)
d.	Total Chromium(as Cr)(mg/L)	IS: 3025 (P-65)-2014 (RA 2019)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030. Sample Consumed in testing

REMARKS :N/A

*****End Of Report*****


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
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Annexure-8

Green Belt Photographs

Annexure-8

NPL is having a complete dedicated team of skilled horticulturists for the forestation and greenery development program at our plant. A green belt are developed inside as well outside plant premises. Also, small patches of gardens are developed inside of the plant premises wherever the open space is available to improve the plant beautification.



Pic-1 Green belt around coal stockpile area



Pic-2 Green belt around plant premises



Pic-3 Green belt along boundary



Pic-4 Green belt on both sides of road



Pic-5 Green belt area railway siding

Annexure-09

CSR Projects and Initiatives

FY- 23 (H1)

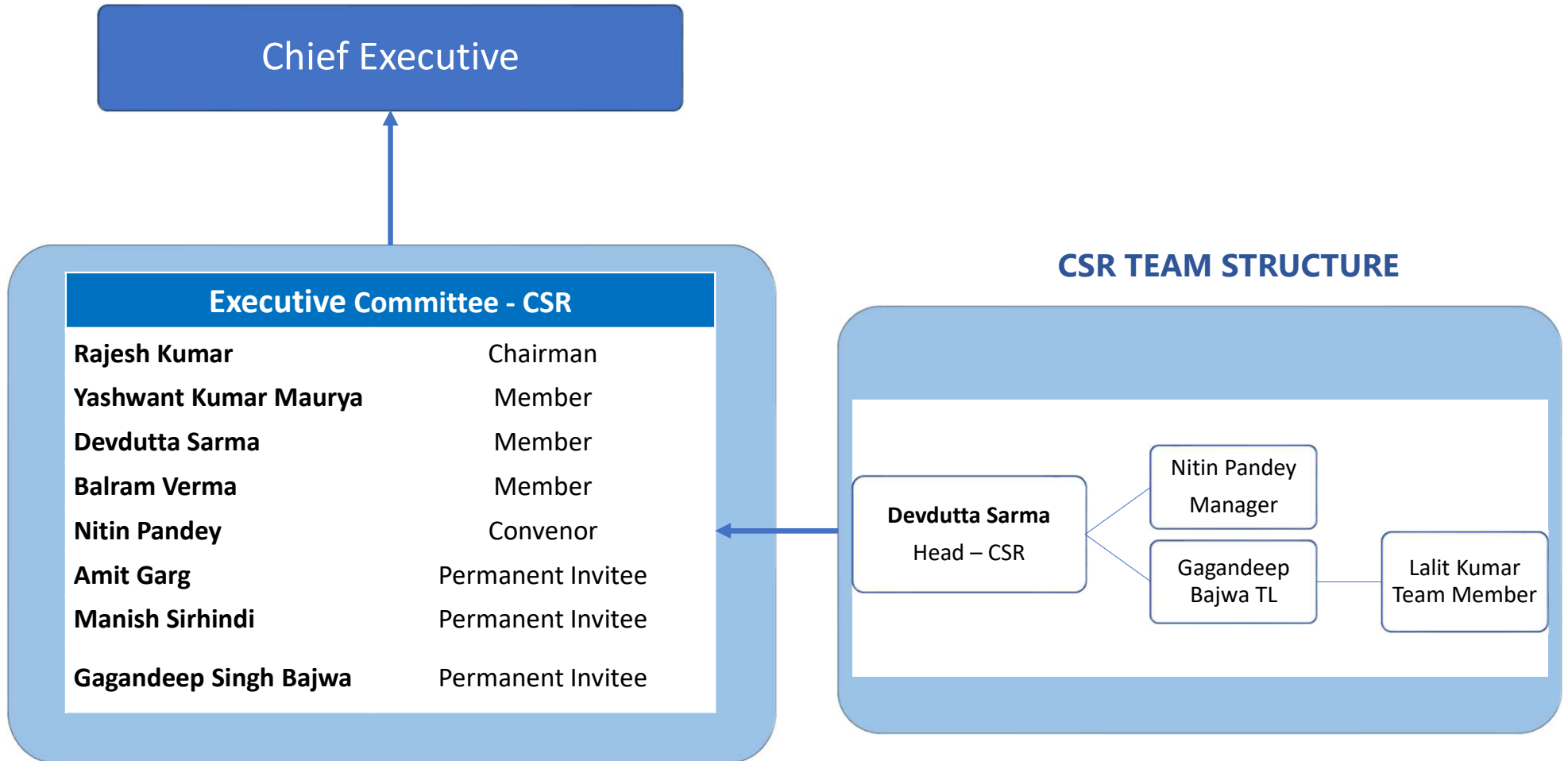


Nabha Power Limited
Corporate Social Responsibility
H1 FY23

Outreach

Villages: 49
Population: 47600
Panchayats: 47
Periphery: 5 Km. radius

GOVERNANCE STRUCTURE





H1 FY23 Progress Report



Thematic Focus Area



Health



Skill &
Entrepreneurship
Development



Education & Sports



Water & Environment



Rural Development



Disaster
Management



SKILL & ENTERPRENEURSHIP DEVELOPMENT



PRODUCTION CENTERS

Production centres

5 Centers
5 Villages

Products made

School Dress,
Apparel, Jute &
Fulkaari

Active Artisans

47

H1 Earnings

INR 6.7 lakhs



SKILL DEVELOPMENT CENTERS

Cumulative Coverage
8 Villages; 209 Women

Stitching Course; 2 centres



Beautician Course; 2 centres



91
Trained

118
Trainees



Sural Kalan 37 trainees



Gurdittpura
23 Trainees



Bakshiwala 26 Trainees

Award of Certificates of Stitching Course FY22



Nalash Kalan



Bakshiwala



Rangian



Sindhran

Distribution of sewing machines to 30 Artisans of 4 villages



Skills Development – ITI Scholarships



NPL Officials at Graduation Ceremony held for the first time that includes 15 NPL Scholars

Govt. ITI Rajpura Fees Deposited by NPL						Attendance Sheet					
Sr. No	Name	Village	Application No.	ITI Trade	Mobile No.	Monday	Tuesday	Wednesday	Thursday	Friday	Signature of Institute
1	Amrinder Singh	Kotla	211250-126589	Welder	6239506993	P	P	P	P	A	
2	Sikander Singh	Kharrola	211250-118025	Diesel Mechanical	6280353979	P	P	P	P	P	
3	Dixar Singh	Akbarpur	211250-115987	Ac. Refrigerator	9501642332	P	P	P	P	A	
4	Rahul	Bhappal	211250-122414	Stenography	9855676870	P	P	A	P	P	
5	Balwinder Pal Singh	Gabhali Kalan	211250-107211	Stenography	6284921561	P	P	P	P	P	
6	Gurpreet Singh	Nalas Kalan	211250-104193	Auto Mechanical	8264773856	P	P	P	P	P	
7	Gurjane Singh	Jansul	211250-114186	Stenography	9814315443	P	P	P	P	P	
8	Rohit Kumar	Akbarpur	211250-138339	Electrician	7901757725	P	P	P	A	P	
9	Lekhninder Singh	Kharrola	211250-137892	Welder	6284393331	P	P	P	P	P	
10	Gurkirat Singh	Uppalheri	211250-137436	Electrician	7986663608	P	P	P	P	P	
11	Sukhwinder Singh	Ugani	211250-122631	Diesel Mechanical	7986800968	A	P	P	P	P	
12	Hemant Singh	Uppalheri	211250-101220	Stenography	9501639234	P	P	P	P	P	
13	Anudeep Singh	Bhagrana	211250-139824	Diesel Mechanical	7578765625	P	P	A	P	A	
14	Balwinder Singh	Harna	211250-137274	Welder	6280919964	P	P	P	P	P	
15	Suresh Singh	Chak Kalan	211250-114424	Welder	6284543630	P	P	P	P	P	

Attendance Tracking of the NPL ITI Scholars on weekly basis



SKILL TRAINING FOR GIRLS - NSIC RAJPURA

**Resume writing
workshop by
NPL Staff**

**27 Girls
Benefitted**



EDUCATION



NPL SCHOLARSHIP GENERAL NURSING & MIDWIFERY (GNM) & BACHELOR OF COMPUTER APPLICATION (BCA)

FY 21-22
Retained
19 /19 GNM Scholars

FY 23
14 New GNM Scholars

FY 23
8 First time BCA Scholars

FY 23
Total Coverage
41
38 Girls ,3 Boys



LEARNING ENRICHMENT PROGRAM

10 Govt. Primary Schools; 403 Students



Project aiming to improve learning level of Class 3rd to 5th students in Math and English, in addition to overall development of children through co-curricular activities



Education – Contingency Support to Govt. Schools

Items to support Mid-day meal kitchens of 12 Govt Schools were handed over to School Authorities

NPL Sports Academy

- Dedicated Sports training program in Govt Senior Secondary School, Dhumman
- 107 active trainees (Age 9 to 18 years)
- NIS Patiala trained Coach deployed



NPL Sports Academy

- Screening of inspirational movie “Dangal” to 107 children



Azadi Ka Amrit Mahotsav was celebrated with 107 students enrolled in sports training program



NPL Sports Academy Awards Tally

- Trainees participated in District level tournament in Sept 2022
- Girls Kabaddi team (U-14) secured 1st position in Block level tournament and Zonal level
- Girls Volleyball team (U-14) secured 1st position at Zonal level



NPL Sports Academy “Go-Green” Cyclothon

- To spread awareness on importance of sports and environment conservation
- 127 Children participated, 15 Youths volunteered



Road Safety Drive

NPL
Nabha Power Limited



Date: 13th April 2022

Venue: Grain Market, Rajpura

Stakeholders:- Traffic Police Rajpura & Youth Club volunteers

Beneficiaries: NPL Branded reflective tapes were pasted on 500 vehicles includes tractor trollies ,tippers, three wheelers, carts



HEALTH



Strengthening Govt. Drug De-addiction Center, Rajpura

Completed

- Rain Shed at Drug De Addiction Center, Civil Hospital Rajpur in Sept 2022

Coming Up

- Indoor sports items for patients
- CCTV, Water cooler and provision of seating facility for OPD

Health Camps



Sural Kalan ; 2 May



Badali Mai Ki ; 26 May



Rangian ; 8 July



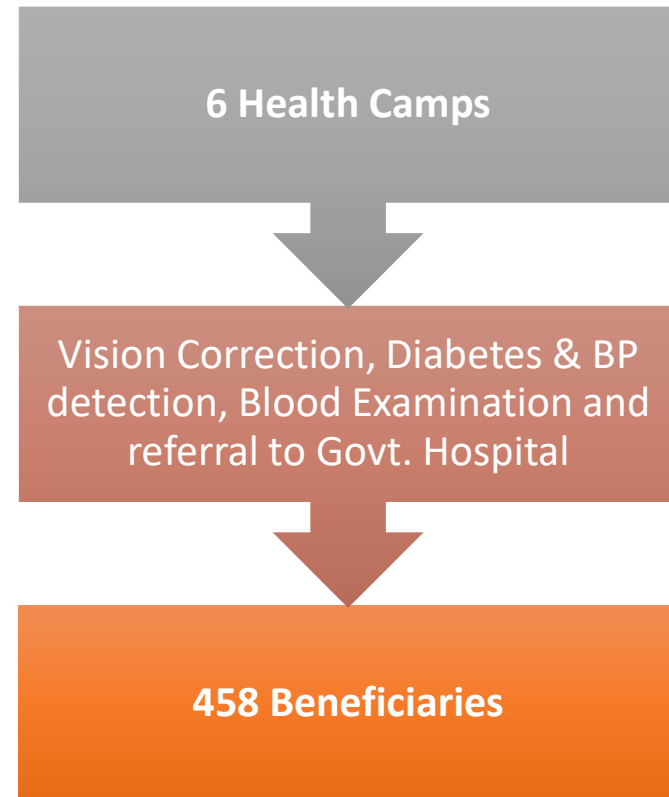
Harna; 10 June



Nalash ; 23 June



Basantpura; 14 July





Blood Donation Camps



Number of Camps : 02 (Aug-Sept)

Blood Units collected:- 184

Stakeholders:- Village Panchayats, Youth Clubs, Life line Blood Centre, Patiala



Awareness Session against Drug Abuse



Awareness Sessions conducted- 3 (July-Aug)

Venue:- NPL, Vill. Ugani Sahib and Uppal Heri

Stakeholders: Drug Deaddiction Center, Rajpura, Youth Club, Village Panchayat.

Beneficiary: 250 attendees which includes Youth & Students and village Sarpanches of surrounding villages



RURAL DEVELOPMENT

EWS Housing Scheme

8 extremely needy families were identified by NPL for a “safe home” comprising of One room, kitchen, washroom and gated boundary wall





Rural Roads



Before

**Construction of bitumen road in Vill Cholti Kheri
up to 500 meters**

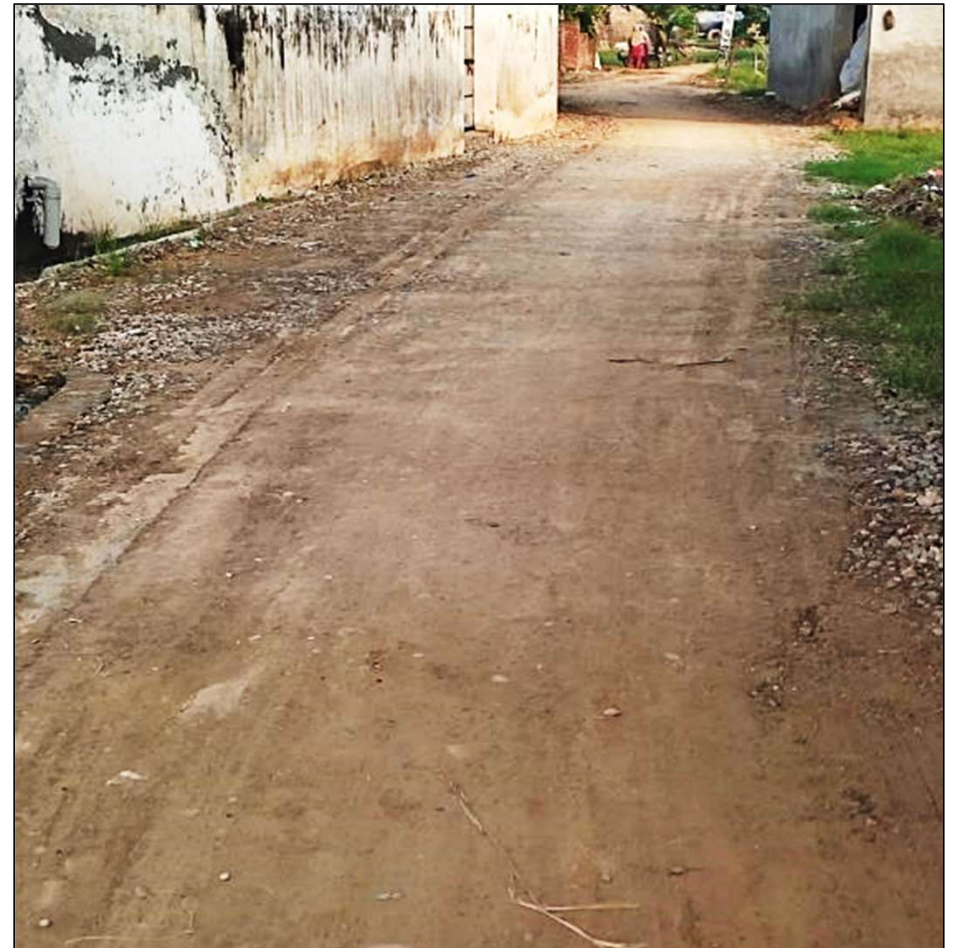


After

Benefitted 500 villagers



Rural Roads



Work in progress at 4 locations , Rangian, Harna, Jansua & Badal Colony



Construction of Shed at Cholti Kheri Railway Under Bridge



To address the issue of water logging under the Railway under bridge at Vill. Cholti Kheri , a shed of 170 ft. X 34 feet has been constructed on both the sides of the bridge. It is located on Basantpura-Chunni Road which connects surrounding villages with Mohali and Chandigarh.



Community Shed



Community shed at village Rai Majra
To be utilised for organizing social gatherings



**Water &
Environment**

Cleaning of Ponds & Drains

- No. of village covered:- 10
- Cleaning of the natural drains, water bodies to enhance their water storage capacity and removal of vegetation to help in curbing the floods & water logging in the villages



Socio-economic life in villages around Nabha power plant has seen a positive change over the years, writes Harpreet Bajwa

GIVING 'POWER', in more ways than one

Positive PUNJAB

More than a decade ago, villagers living around the 1400 MW power plant in Punjab's Nabha had protested against the acquisition of 1,076 acres of land by the state government, demanding higher compensation and livelihood opportunities. Nabha Power Ltd promised to hire more local people and enable them to stand on their feet.

Today, the lives of people in many villages in Patiala and Fatehgarh Sahib districts around the thermal power plant near Rajpura have changed for the better. Improvements in education, skill development and infrastructure have made them financially independent.

"We are running various skill development centres that have enabled the local youth to learn vocational skills. Besides enhancing the youths'



"The renovation of our village pond has facilitated irrigation. The gram panchayat also earns money from the fish farming," says Jee Singh of Ugani Sahib village.

"Our village did not have a community centre. The community shed erected has come as a big help for not just the residents of the Jansu but it is also used by people living in



The Nabha Power Plant Ltd is running various programmes to better the lives of villagers living in the vicinity.

ral children subjects such as given the adjacent fish pond

एनपीएल के सहयोग से स्विफ्ट ने दी छात्रवृत्ति

संस. राजपुरा (पटियाला) : लांसन एंड टर्बो की एलएण्टी की इकाई नाभा पावर प्लांट व स्विफ्ट ग्रुप आफ कालेजिस द्वारा वर्ष 2020 में हुई एक शुरुआत के तहत दोनों संस्थाओं के प्रबंधकों ने जरूरतमंद परिवार की लड़कियों की शिक्षा और प्रशिक्षण की



Media coverage

हर वर्ष नवंबर के माह में वार्षिक लगभग 15 चुने हुए बच्चों स्विफ्ट इंस्टीट्यूट आफ नर्सिंग में जीएनएम कोर्स में दाखिला लेते हैं। सभी छात्रों को वर्जीफा दिया जाता है जिसके

छात्रवृत्ति के लिए चुनी छात्राओं को सम्मानित करते एनपीएल व स्विफ्ट प्रबंधक से एनपीएल साध पहुंचे। एनपीएल की ओर से उनके चौफ एक्जीक्यूटिव सुरेश नारंग, एचआर हेड देवदत्त शर्मा, सोएसआर हेड राजेश अपनी पूरी टीम सहित मौजूद रहे। कार्यक्रम में स्विफ्ट कालेज के प्रबंधक डा. मुंजाल ने सभी छात्रों की सराहना करते हुए उनके उज्ज्वल भविष्य की कामना की। एनपीएल के चौफ एक्जीक्यूटिव सुरेश नारंग ने बताया कि आम वाले समय में इस स्कॉम को और बढ़ाएं जिसमें नए कोर्स शामिल किए जाएंगे जिससे गरीब छात्रों आगे बढ़कर अपने पैरों पर खड़ी हो सकें। उन्होंने इसके लिए स्विफ्ट का भी धन्यवाद किया।

as well as the overall strata of the society. We are ensuring that make them future-ready."

Many girls from these villages have benefited since the launch of the programme. Last year, Nabha Power had provided scholarships to 19 meritorious girls who are presently undergoing three years of general nursing and midwifery course at a reputed private institute and are all set for a bright future ahead.

This year too, Nabha Power has sponsored 14 meritorious girls for GNM Degree and 5 for BCA Degree.

villages covered under the company's CSR initiatives and is aimed at providing financial support to girls in achieving their educational and career dreams.

Chief Executive of Nabha Power, SK Narang said, "Education is a driving force for social change and can help youth realise their true potential.

The skills acquired by the girl students will help them in getting employment, enhance the standard of living for the family

NPL PROVIDES SCHOLARSHIPS TO 19 MORE MERITORIOUS GIRLS

DW BUREAU / RAJPURA

TO BRING a positive change through education, Nabha Power Limited, which operates the 2x700 MW Supercritical Thermal Power Plant at Rajpura NPL will award Merit-cum-Need-Based Meritorious Scholarships to meritorious girls and boys of villages nearby the premises of the power plant.

The programme, first launched in 2020, is open to girls of 49

सरकारी औद्योगिक सिखलाई संस्था में पास बच्चों को दिए सर्टिफिकेट



राजपुरा। तकनीकी शिक्षा एवं औद्योगिक सिखलाई विभाग के बैनर तले सरकारी औद्योगिक सिखलाई संस्था लड़के में अलग-अलग ट्रेनिंग में पास बच्चों को सर्टिफिकेट दिए गए। संस्थान के जनियर अधिकारी तर्फ से बच्चों को सर्टिफिकेट देने मुख्यातिथि के तौर पर नाभा थर्मल पावर प्लांट के सीनियर अधिकारी नितिन पांडे शामिल हुए। मौके पर संस्थान के कार्यकारी प्रिंसिपल मंजीत सिंह, ट्रेनिंग ऑफिसर परमजीत सिंह एवं



Annexure-10

Ambient Air Quality Monitoring Results

Test Report


Document QF : 2501
Page 1 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206210982
	Sample Reg. Date :21-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020118
	NABL ULR No. :TC592622000009630F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: AAQMS-1 (Near NDCT)
Date of Monitoring	: 13-06-2022
Time of Monitoring	: 17:30 Hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1627.94
Avg. Ambient Temperature,°C	: 38

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	12.25
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	22.38
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	80.47
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	38.30


Saurabh Sharma
02-07-2022
Reviewer


02-07-2022
PremKumar
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206210982 Sample Reg. Date :21-06-2022 Report Date :02-07-2022 Report No. :ICE-2207020118 NABL ULR No. :TC592622000009630F Customer Ref. No.: PO Letter Dated :01.12.2020
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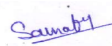
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	22.15
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	30.48
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)
m.	Mercury (as Hg),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	Not Specified	BLQ(LOQ:0.1)


represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****


 Saurabh Sharma
 02-07-2022
 Reviewer


 02-07-2022
 PremKumar
 [Authorized Signatory]

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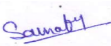
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206210983
	Sample Reg. Date :21-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020119
	NABL ULR No. :TC592622000009625F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: AAQMS-2 (Near Loco Shed)
Date of Monitoring	: 13-06-2022
Time of Monitoring	: 17:45 Hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.19
Volume of air sampled,m3	: 1575.00
Avg. Ambient Temperature,°C	: 38

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	10.01
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	15.34
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	84.57
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	43.35


Saurabh Sharma
02-07-2022
Reviewer


02-07-2022
PremKumar
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206210983
	Sample Reg. Date :21-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020119
	NABL ULR No. :TC592622000009625F
	Customer Ref. No.: PO
Letter Dated :01.12.2020	

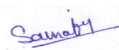
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	24.35
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	37.15
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)
m.	Mercury (as Hg),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	Not Specified	BLQ(LOQ:0.1)


represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****


Saurabh Sharma
02-07-2022
Reviewer


02-07-2022
PremKumar
[Authorized Signatory]

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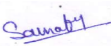
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206210984
	Sample Reg. Date :21-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020120
	NABL ULR No. :TC592622000009639F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: AAQMS-3 (Near Storm Water Sump)
Date of Monitoring	: 13-06-2022
Time of Monitoring	: 18:15 Hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1657.33
Avg. Ambient Temperature,°C	: 30

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	8.28
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	13.36
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	87.19
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	42.51


Saurabh Sharma
02-07-2022
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206210984 Sample Reg. Date :21-06-2022 Report Date :02-07-2022 Report No. :ICE-2207020120 NABL ULR No. :TC592622000009639F Customer Ref. No. :PO Letter Dated :01.12.2020
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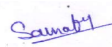
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	23.10
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	30.24
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)
m.	Mercury (as Hg),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	Not Specified	BLQ(LOQ:0.1)


represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS : N/A

*****End Of Report*****


 Saurabh Sharma
 02-07-2022
 Reviewer


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 PremKumar
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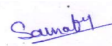
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206210985
	Sample Reg. Date :21-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020121
	NABL ULR No. :TC592622000009631F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: AAQMS-4 (Near Switch Yard)
Date of Monitoring	: 13-06-2022
Time of Monitoring	: 19:00 Hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.21
Volume of air sampled,m3	: 1649.19
Avg. Ambient Temperature,°C	: 29

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	6.33
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	11.37
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	83.37
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	42.09


Saurabh Sharma
02-07-2022
Reviewer


02-07-2022
PremKumar
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206210985 Sample Reg. Date :21-06-2022 Report Date :02-07-2022 Report No. :ICE-2207020121 NABL ULR No. :TC592622000009631F Customer Ref. No. :PO Letter Dated :01.12.2020
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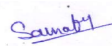
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	24.05
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	28.54
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)
m.	Mercury (as Hg),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	Not Specified	BLQ(LOQ:0.1)


represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS : N/A

*****End Of Report*****


 Saurabh Sharma
 02-07-2022
 Reviewer


 02-07-2022
 PremKumar
 [Authorized Signatory]

Disclaimer :

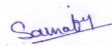
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206221056
	Sample Reg. Date :22-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020113
	NABL ULR No. :TC592622000009638F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: Village-Dabhali
Date of Monitoring	: 16-06-2022
Time of Monitoring	: 14:00 Hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1633.19
Avg. Ambient Temperature,°C	: 37

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	12.28
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	22.34
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	86.64
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	40.40


Saurabh Sharma
02-07-2022
Reviewer


02-07-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206221056 Sample Reg. Date :22-06-2022 Report Date :02-07-2022 Report No. :ICE-2207020113 NABL ULR No. :TC592622000009638F Customer Ref. No.: PO Letter Dated :01.12.2020
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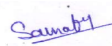
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	24.18
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	30.27
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)
m.	Mercury (as Hg),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	Not Specified	BLQ(LOQ:0.1)


represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****


 Saurabh Sharma
 02-07-2022
 Reviewer


 02-07-2022
 PremKumar
 [Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
 86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
 Panchkula-134109 (Haryana)
 Phone : (O) 0172-2561543, 2565825
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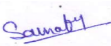
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206221057
	Sample Reg. Date :22-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020115
	NABL ULR No. :TC592622000009640F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: Village-Dadu Majra
Date of Monitoring	: 16-06-2022
Time of Monitoring	: 15:00 Hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1633.19
Avg. Ambient Temperature,°C	: 37

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	10.34
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	19.27
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	83.27
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	40.82


Saurabh Sharma
02-07-2022
Reviewer


02-07-2022
PremKumar
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206221057 Sample Reg. Date :22-06-2022 Report Date :02-07-2022 Report No. :ICE-2207020115 NABL ULR No. :TC592622000009640F Customer Ref. No. :PO Letter Dated :01.12.2020
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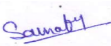
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	24.65
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	33.28
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)
m.	Mercury (as Hg),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	Not Specified	BLQ(LOQ:0.1)


represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS : N/A

*****End Of Report*****


 Saurabh Sharma
 02-07-2022
 Reviewer


 02-07-2022
 PremKumar
 [Authorized Signatory]

Disclaimer :

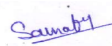
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206221058
	Sample Reg. Date :22-06-2022
	Report Date :02-07-2022
	Report No. :ICE-2207020116
	NABL ULR No. :TC592622000009637F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: Village-Salempur
Date of Monitoring	: 16-06-2022
Time of Monitoring	: 15:30 Hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1659.74
Avg. Ambient Temperature,°C	: 37

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	8.12
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	15.27
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	83.21
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	37.46


Saurabh Sharma
02-07-2022
Reviewer


02-07-2022
PremKumar
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2206221058 Sample Reg. Date :22-06-2022 Report Date :02-07-2022 Report No. :ICE-2207020116 NABL ULR No. :TC592622000009637F Customer Ref. No. :PO Letter Dated :01.12.2020
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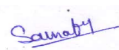
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	25.16
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	33.21
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)
m.	Mercury (as Hg),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	Not Specified	BLQ(LOQ:0.1)


represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****


 Saurabh Sharma
 02-07-2022
 Reviewer


 02-07-2022
 PremKumar
 [Authorized Signatory]

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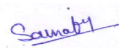
Test Report

Document QF : 2501
Page 1 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120433
	Sample Reg. Date :12-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150675
	NABL ULR No. :TC592622000012950F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
Sampling Information :	
Location of Sampling Point	: Near NDCT (AAQMS-1)
Date of Monitoring	: 08-09-2022
Time of Monitoring	: 14:50 hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1643.19
Avg. Ambient Temperature,°C	: 33

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
1.	Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS: 5182 (P-2): 2017	80 Max	7.25
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS: 5182 (P-6): 2017	80 Max	11.20
c.	Particulate Matter (PM ₁₀),µg/m ³	IS: 5182 (P-23): 2017	100 Max	82.46
d.	Particulate matter (PM 2.5),µg/m ³	STP/ITC/EW/001	60 Max	37.46
e.	Ammonia(NH ₃),µg/m ³	IS: 5182 (P-25): 2018	400 Max	25.07
f.	Lead(As Pb),µg/m ³	STP/ITC/EW/002	1.0 Max	BLQ(LOQ:0.10)


Saurabh Sharma
15-09-2022
Reviewer


15-09-2022
PremKumar
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120433
	Sample Reg. Date :12-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150675
	NABL ULR No. :TC592622000012950F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

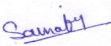
g.	Mercury(as Hg), µg/m ³	STP/ITC/EW/002	Not Specified	BLQ(LOQ:0.01)
2.	Ambient Air Quality Parameters(Time weighted Avg- 8 Hours)			
a.	Ozone(O ₃),µg/m ³	IS: 5182 (P-9): 2019	100 Max.	22.41
b.	Carbon Monoxide(CO),mg/m ³	IS: 5182 (P-10): 2019	2 Max.	1.1
3.	Ambient Air Quality Parameters(Time weighted Avg- Annual*)			
a.	Benzene(C ₆ H ₆),µg/m ³	IS: 5182 (P-11): 2017	5 Max	BLQ(LOQ:1.0)
b.	Benzo(a) Pyrene Particulate Phase only,ng/m ³	IS: 5182 (P-12): 2019	1 Max	BLQ(LOQ:0.5)
c.	Arsenic(as As),ng/m ³	STP/ITC/EW/002	6 Max.	BLQ(LOQ:1.0)
d.	Nickel(As Ni),ng/m ³	STP/ITC/EW/002	20 Max.	BLQ(LOQ:1.0)


*# represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
Sampling Procedure: SOP/ITC/EW/056

REMARKS :*Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals

*****End Of Report*****


Saurabh Sharma
15-09-2022
Reviewer


15-09-2022
PremKumar
[Authorized Signatory]

Disclaimer :

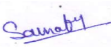
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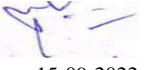
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120434
	Sample Reg. Date :12-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150678
	NABL ULR No. :TC592622000012951F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
Sampling Information :	
Location of Sampling Point	: Near Loco Shed (AAQMS-2)
Date of Monitoring	: 08-09-2022
Time of Monitoring	: 15:25 hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1629.83
Avg. Ambient Temperature,°C	: 33

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
1.	Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS: 5182 (P-2): 2017	80 Max	6.21
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS: 5182 (P-6): 2017	80 Max	12.37
c.	Particulate Matter (PM ₁₀),µg/m ³	IS: 5182 (P-23): 2017	100 Max	85.35
d.	Particulate matter (PM 2.5),µg/m ³	STP/ITC/EW/001	60 Max	38.30
e.	Ammonia(NH ₃),µg/m ³	IS: 5182 (P-25): 2018	400 Max	24.33
f.	Lead(As Pb),µg/m ³	STP/ITC/EW/002	1.0 Max	BLQ(LOQ:0.10)


Saurabh Sharma
15-09-2022
Reviewer


15-09-2022
PremKumar
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120434
	Sample Reg. Date :12-09-2022
	Report Date :15-09-2022
	Report No. :ICE-2209150678
	NABL ULR No. :TC592622000012951F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

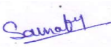
g.	Mercury(as Hg), µg/m ³	STP/ITC/EW/002	Not Specified	BLQ(LOQ:0.01)
2.	Ambient Air Quality Parameters(Time weighted Avg- 8 Hours)			
a.	Ozone(O ₃),µg/m ³	IS: 5182 (P-9): 2019	100 Max.	22.57
b.	Carbon Monoxide(CO),mg/m ³	IS: 5182 (P-10): 2019	2 Max.	1.3
3.	Ambient Air Quality Parameters(Time weighted Avg- Annual*)			
a.	Benzene(C ₆ H ₆),µg/m ³	IS: 5182 (P-11): 2017	5 Max	BLQ(LOQ:1.0)
b.	Benzo(a) Pyrene Particulate Phase only,ng/m ³	IS: 5182 (P-12): 2019	1 Max	BLQ(LOQ:0.5)
c.	Arsenic(as As),ng/m ³	STP/ITC/EW/002	6 Max.	BLQ(LOQ:1.0)
d.	Nickel(As Ni),ng/m ³	STP/ITC/EW/002	20 Max.	BLQ(LOQ:1.0)

*# represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
Sampling Procedure: SOP/ITC/EW/056

REMARKS : *Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals

*****End Of Report*****


Saurabh Sharma
15-09-2022
Reviewer


15-09-2022
PremKumar
[Authorized Signatory]

Disclaimer :

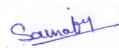
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130522
	Sample Reg. Date :13-09-2022
	Report Date :21-09-2022
	Report No. :ICE-2209211004
	NABL ULR No. :TC592622000013169F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
Sampling Information :	
Location of Sampling Point	: Near Storm Water Sump (AAQMS-3)
Date of Monitoring	: 08-09-2022
Time of Monitoring	: 14:10 hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.27
Volume of air sampled,m3	: 1699.84
Avg. Ambient Temperature,°C	: 32

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
1.	Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS: 5182 (P-2): 2017	80 Max	7.23
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS: 5182 (P-6): 2017	80 Max	10.42
c.	Particulate Matter (PM ₁₀),µg/m ³	IS: 5182 (P-23): 2017	100 Max	81.30
d.	Particulate matter (PM 2.5),µg/m ³	STP/ITC/EW/001	60 Max	35.77
e.	Ammonia(NH ₃),µg/m ³	IS: 5182 (P-25): 2018	400 Max	25.31
f.	Lead(As Pb),µg/m ³	STP/ITC/EW/002	1.0 Max	BLQ(LOQ:0.1)


Saurabh Sharma
21-09-2022
Reviewer


21-09-2022
PremKumar
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Test Report

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Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130522
	Sample Reg. Date :13-09-2022
	Report Date :21-09-2022
	Report No. :ICE-2209211004
	NABL ULR No. :TC592622000013169F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

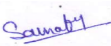
g.	Mercury(as Hg), µg/m ³	STP/ITC/EW/002	Not Specified	BLQ(LOQ:0.01)
2.	Ambient Air Quality Parameters(Time weighted Avg- 8 Hours)			
a.	Ozone(O ₃),µg/m ³	IS: 5182 (P-9): 2019	100 Max.	22.43
b.	Carbon Monoxide(CO),mg/m ³	IS: 5182 (P-10): 2019	2 Max.	1.4
3.	Ambient Air Quality Parameters(Time weighted Avg- Annual*)			
a.	Benzene(C ₆ H ₆),µg/m ³	IS: 5182 (P-11): 2017	5 Max	BLQ(LOQ:1.0)
b.	Benzo(a) Pyrene Particulate Phase only,ng/m ³	IS: 5182 (P-12): 2019	1 Max	BLQ(LOQ:0.5)
c.	Arsenic(as As),ng/m ³	STP/ITC/EW/002	6 Max.	BLQ(LOQ:1.0)
d.	Nickel(As Ni),ng/m ³	STP/ITC/EW/002	20 Max.	BLQ(LOQ:1.0)

*# represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
Sampling Procedure: SOP/ITC/EW/056

REMARKS :*Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals

*****End Of Report*****


Saurabh Sharma
21-09-2022
Reviewer


21-09-2022
PremKumar
[Authorized Signatory]

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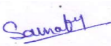
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130523
	Sample Reg. Date :13-09-2022
	Report Date :21-09-2022
	Report No. :ICE-2209211007
	NABL ULR No. :TC592622000013163F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
Sampling Information :	
Location of Sampling Point	: Near Switch Yard (AAQMS-4)
Date of Monitoring	: 08-09-2022
Time of Monitoring	: 14:30 hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1648.58
Avg. Ambient Temperature,°C	: 32

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
1.	Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS: 5182 (P-2): 2017	80 Max	8.33
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS: 5182 (P-6): 2017	80 Max	13.44
c.	Particulate Matter (PM ₁₀),µg/m ³	IS: 5182 (P-23): 2017	100 Max	86.08
d.	Particulate matter (PM 2.5),µg/m ³	STP/ITC/EW/001	60 Max	38.67
e.	Ammonia(NH ₃),µg/m ³	IS: 5182 (P-25): 2018	400 Max	26.39
f.	Lead(As Pb),µg/m ³	STP/ITC/EW/002	1.0 Max	BLQ(LOQ:0.1)


Saurabh Sharma
21-09-2022
Reviewer


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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130523
	Sample Reg. Date :13-09-2022
	Report Date :21-09-2022
	Report No. :ICE-2209211007
	NABL ULR No. :TC592622000013163F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

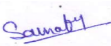
g.	Mercury(as Hg), µg/m ³	STP/ITC/EW/002	Not Specified	BLQ(LOQ:0.01)
2.	Ambient Air Quality Parameters(Time weighted Avg- 8 Hours)			
a.	Ozone(O ₃),µg/m ³	IS: 5182 (P-9): 2019	100 Max.	22.17
b.	Carbon Monoxide(CO),mg/m ³	IS: 5182 (P-10): 2019	2 Max.	1.1
3.	Ambient Air Quality Parameters(Time weighted Avg- Annual*)			
a.	Benzene(C ₆ H ₆),µg/m ³	IS: 5182 (P-11): 2017	5 Max	BLQ(LOQ:1.0)
b.	Benzo(a) Pyrene Particulate Phase only,ng/m ³	IS: 5182 (P-12): 2019	1 Max	BLQ(LOQ:0.5)
c.	Arsenic(as As),ng/m ³	STP/ITC/EW/002	6 Max.	BLQ(LOQ:1.0)
d.	Nickel(As Ni),ng/m ³	STP/ITC/EW/002	20 Max.	BLQ(LOQ:1.0)

*# represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
Sampling Procedure: SOP/ITC/EW/056

REMARKS :*Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals

*****End Of Report*****


Saurabh Sharma
21-09-2022
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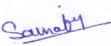
Test Report

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Page 1 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130524
	Sample Reg. Date :13-09-2022
	Report Date :21-09-2022
	Report No. :ICE-2209211008
	NABL ULR No. :TC592622000013172F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
Sampling Information :	
Location of Sampling Point	: Village: Dadumajra
Date of Monitoring	: 10-09-2022
Time of Monitoring	: 17:10 hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.17
Volume of air sampled,m3	: 1571.67
Avg. Ambient Temperature,°C	: 33

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
1.	Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS: 5182 (P-2): 2017	80 Max	5.22
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS: 5182 (P-6): 2017	80 Max	10.49
c.	Particulate Matter (PM ₁₀),µg/m ³	IS: 5182 (P-23): 2017	100 Max	86.12
d.	Particulate matter (PM 2.5),µg/m ³	STP/ITC/EW/001	60 Max	37.33
e.	Ammonia(NH ₃),µg/m ³	IS: 5182 (P-25): 2018	400 Max	24.59
f.	Lead(As Pb),µg/m ³	STP/ITC/EW/002	1.0 Max	BLQ(LOQ:0.1)


Saurabh Sharma
21-09-2022
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21-09-2022
PremKumar
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130524 Sample Reg. Date :13-09-2022 Report Date :21-09-2022 Report No. :ICE-2209211008 NABL ULR No. :TC592622000013172F Customer Ref. No. :PO Letter Dated :01.12.2020
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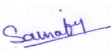
g.	Mercury(as Hg), µg/m ³	STP/ITC/EW/002	Not Specified	BLQ(LOQ:0.01)
2.	Ambient Air Quality Parameters(Time weighted Avg- 8 Hours)			
a.	Ozone(O ₃),µg/m ³	IS: 5182 (P-9): 2019	100 Max.	21.78
b.	Carbon Monoxide(CO),mg/m ³	IS: 5182 (P-10): 2019	2 Max.	1.2
3.	Ambient Air Quality Parameters(Time weighted Avg- Annual*)			
a.	Benzene(C ₆ H ₆),µg/m ³	IS: 5182 (P-11): 2017	5 Max	BLQ(LOQ:1.0)
b.	Benzo(a) Pyrene Particulate Phase only,ng/m ³	IS: 5182 (P-12): 2019	1 Max	BLQ(LOQ:0.5)
c.	Arsenic(as As),ng/m ³	STP/ITC/EW/002	6 Max.	BLQ(LOQ:1.0)
d.	Nickel(As Ni),ng/m ³	STP/ITC/EW/002	20 Max.	BLQ(LOQ:1.0)

*# represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS :*Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals

*****End Of Report*****


 Saurabh Sharma
 21-09-2022
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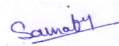
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130525
	Sample Reg. Date :13-09-2022
	Report Date :21-09-2022
	Report No. :ICE-2209211012
	NABL ULR No. :TC592622000013176F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
Sampling Information :	
Location of Sampling Point	: Village-Salempur
Date of Monitoring	: 10-09-2022
Time of Monitoring	: 18:30 hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1652.27
Avg. Ambient Temperature,°C	: 33

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
1.	Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS: 5182 (P-2): 2017	80 Max	10.17
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS: 5182 (P-6): 2017	80 Max	15.07
c.	Particulate Matter (PM ₁₀),µg/m ³	IS: 5182 (P-23): 2017	100 Max	89.63
d.	Particulate matter (PM 2.5),µg/m ³	STP/ITC/EW/001	60 Max	41.12
e.	Ammonia(NH ₃),µg/m ³	IS: 5182 (P-25): 2018	400 Max	26.37
f.	Lead(As Pb),µg/m ³	STP/ITC/EW/002	1.0 Max	BLQ(LOQ:0.1)


Saurabh Sharma
21-09-2022
Reviewer


21-09-2022
PremKumar
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Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130525
	Sample Reg. Date :13-09-2022
	Report Date :21-09-2022
	Report No. :ICE-2209211012
	NABL ULR No. :TC592622000013176F
	Customer Ref. No. :PO
Letter Dated :01.12.2020	

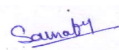
g.	Mercury(as Hg), µg/m ³	STP/ITC/EW/002	Not Specified	BLQ(LOQ:0.01)
2.	Ambient Air Quality Parameters(Time weighted Avg- 8 Hours)			
a.	Ozone(O ₃),µg/m ³	IS: 5182 (P-9): 2019	100 Max.	23.54
b.	Carbon Monoxide(CO),mg/m ³	IS: 5182 (P-10): 2019	2 Max.	1.3
3.	Ambient Air Quality Parameters(Time weighted Avg- Annual*)			
a.	Benzene(C ₆ H ₆),µg/m ³	IS: 5182 (P-11): 2017	5 Max	BLQ(LOQ:1.0)
b.	Benzo(a) Pyrene Particulate Phase only,ng/m ³	IS: 5182 (P-12): 2019	1 Max	BLQ(LOQ:0.5)
c.	Arsenic(as As),ng/m ³	STP/ITC/EW/002	6 Max.	BLQ(LOQ:1.0)
d.	Nickel(As Ni),ng/m ³	STP/ITC/EW/002	20 Max.	BLQ(LOQ:1.0)

*# represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
Sampling Procedure: SOP/ITC/EW/056

REMARKS :*Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals

*****End Of Report*****


Saurabh Sharma
21-09-2022
Reviewer


21-09-2022
PremKumar
[Authorized Signatory]

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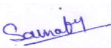
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130526
	Sample Reg. Date :13-09-2022
	Report Date :21-09-2022
	Report No. :ICE-2209211014
	NABL ULR No. :TC592622000013162F
	Customer Ref. No. :PO
	Letter Dated :01.12.2020

Test Report as per :	: NAAQS 2009
Sampling Information :	
Location of Sampling Point	: Village -Dabhali
Date of Monitoring	: 10-09-2022
Time of Monitoring	: 16:10 hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1638.83
Avg. Ambient Temperature,°C	: 33

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
1.	Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS: 5182 (P-2): 2017	80 Max	7.16
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS: 5182 (P-6): 2017	80 Max	10.42
c.	Particulate Matter (PM ₁₀),µg/m ³	IS: 5182 (P-23): 2017	100 Max	82.91
d.	Particulate matter (PM 2.5),µg/m ³	STP/ITC/EW/001	60 Max	34.63
e.	Ammonia(NH ₃),µg/m ³	IS: 5182 (P-25): 2018	400 Max	27.24
f.	Lead(As Pb),µg/m ³	STP/ITC/EW/002	1.0 Max	BLQ(LOQ:0.1)


Saurabh Sharma
21-09-2022
Reviewer


21-09-2022
PremKumar
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Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209130526 Sample Reg. Date :13-09-2022 Report Date :21-09-2022 Report No. :ICE-2209211014 NABL ULR No. :TC592622000013162F Customer Ref. No. :PO Letter Dated :01.12.2020
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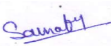
g.	Mercury(as Hg), µg/m ³	STP/ITC/EW/002	Not Specified	BLQ(LOQ:0.01)
2.	Ambient Air Quality Parameters(Time weighted Avg- 8 Hours)			
a.	Ozone(O ₃),µg/m ³	IS: 5182 (P-9): 2019	100 Max.	21.05
b.	Carbon Monoxide(CO),mg/m ³	IS: 5182 (P-10): 2019	2 Max.	1.1
3.	Ambient Air Quality Parameters(Time weighted Avg- Annual*)			
a.	Benzene(C ₆ H ₆),µg/m ³	IS: 5182 (P-11): 2017	5 Max	BLQ(LOQ:1.0)
b.	Benzo(a) Pyrene Particulate Phase only,ng/m ³	IS: 5182 (P-12): 2019	1 Max	BLQ(LOQ:0.5)
c.	Arsenic(as As),ng/m ³	STP/ITC/EW/002	6 Max.	BLQ(LOQ:1.0)
d.	Nickel(As Ni),ng/m ³	STP/ITC/EW/002	20 Max.	BLQ(LOQ:1.0)

*# represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS :*Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals

*****End Of Report*****


 Saurabh Sharma
 21-09-2022
 Reviewer


 21-09-2022
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Annexure-11
Expenses Incurred for
Environment Protection
Measures in FY- 23 (H1)

Details of Expenses Incurred for Environment Protection Measures FY 2022-23 (H1 Period)		
S.No.	Particulars	Amount (Rs)
A	Air Pollution	
1	Cost of Energy Consumption in ESPs/Bag Filters	59653383
2	Cost of Maintenance of Ash Silos	75000
3	Cost of operation of Dust Suppression and Extraction System	881946
4	Cost of electrical spares & consumables for ESP maintenance	536000
5	Cost of electrical services for ESP	990000
6	AMC Services for ESP	1449928
7	ESP Spares & Consumables	288378
	Water Pollution	
8	Cost of Energy Consumption in STP	41250
9	Cost of Energy Consumption in ETP	3774596
10	Cost of Chemical used at ETP and STP	4365735
	Environment Monitoring Expenses	
11	Cost of Manpower	568300
12	Cost of running an environment monitoring vehicle	424039
13	Third Party MoEF&CC approved laboratory testing charges.	
14	Third Party MoEF&CC approved laboratory testing charges for AAQ, Stack, Waste Water, Fly Ash, Bottom Ash etc.	2686210
	Infrastructure Development	
15	Construction of Roads	432000
16	Provision of Wind shields at CHP	1276800
	Green Belt Development & Maintenance	
17	Development and Maintenance of Green Plants	2948149
18	Maintenance of Landscape Area	1965434
	Salary & Wages of HSE Professionals	
19	Salary & Wages of HSE Professionals	3267492
	Ash Dyke Management	
20	Expenses for Ash Dyke Maintenance(Civil)	549920
21	Expenses for Ash Dyke Maintenance(Mechanical)	100000
	Energy Consumption for transportation of Bottom Ash.	
22	Energy Consumption for transportation of Bottom Ash & Fly Ash	50598400
	Training, Subscription & Legal Updates and Promotional Activities	
23	Subscription & Legal Updates	17700
24	World Environment Day Celebration	5753
	Disposal of Hazardous Waste	
25	Disposal of Hazardous Waste charges	35173
26	Bio-Medical Waste disposal charges	13452
	Housekeeping Expenses	
27	Housekeeping Expenses	7577620
28	Total in Rupees(₹)	144522657

Annexure-12

**The Photograph of Main Gate
Display.**



NABHA POWER LIMITED



2 X 700 MW RAJPURA SUPER THERMAL POWER STATION

ENVIRONMENTAL DATA DISPLAY

	UNIT-1	UNIT-2	UOM
OPACITY	41.3	42.0	mg/NM3
SO2	885.9	1265.8	mg/NM3
NOX	221.9	197.5	mg/NM3



Annexure-13

Solar Harness Report.

Solar Energy Generation Report For the Period From April -2022 to September-2022		
S.NO	Month	Numbers of Units Generated (KWh)
1	Apr-22	25160
2	May-22	25840
3	Jun-22	21841
4	Jul-22	21212.4
5	Aug-22	23626.2
6	Sep-22	21119.4
Total Generation		138799

Annexure-14

Test Report of Heavy Metal Analysis in Coal.

Test Report

Document QF : 2501
Page 1 of 2

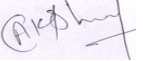
Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209120006
	Sample Reg. Date :12-09-2022
	Report Date :15-09-2022
	Report No. :ICB-2209150001
	Customer Ref. No.: PO
Letter Dated :01.12.2020	

Test Report as per IS :Party Specification	With Amendment No.(s):
---	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	Bottom Ash
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	
d)	Brand Name	NA
e)	Declared Values,if any	
f)	Code No.	
g)	Batch Number #	NA
h)	D.O.M #	NA
i)	Date of Expiry #	NA
j)	Sample Quantity #	500gm
k)	Batch Size #	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	12-09-2022
n)	Date of Start	13-09-2022
o)	Date of Completion	14-09-2022
p)	BIS Seal (Intact/Not Intact/Unsealed)	
q)	IO'S Signature (Signed/Unsigned)	
r)	Any Other Information	Sample collected by lab rep. on 10.09.2022
s)	Test Request Submitted By	Nabha Power Limited - Rajpura (Punjab)
t)	Manufactured By #	Nabha Power Limited


Kamal Grover
15-09-2022
Reviewer


15-09-2022
AksheySharma
[Authorized Signatory]

Disclaimer :

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209120006 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICB-2209150001 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

u)	Supplied By#	Nabha Power Limited
----	--------------	---------------------

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description					
Description		Black color powder			
S.No.	Parameter	Instrument	Method	Specification	Result
Discipline : Chemical					
Group : Chemical Building Material					
1.	Heavy Metals				
a.	Lead(as Pb)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
b.	Mercury(as Hg)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
c.	Arsenic(as As)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
d.	Chromium(as Cr)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)

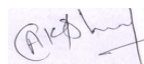
represents Customer Defined Fields

NOTE :

REMARKS :Party has asked for the above tests only.

*****End Of Report*****


Kamal Grover
15-09-2022
Reviewer


15-09-2022
AkshaySharma
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 1 of 2

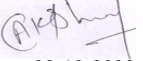
Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2210030001 Sample Reg. Date :03-10-2022 Report Date :08-10-2022 Report No. :ICB-2210080001 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

Test Report as per IS :Party Specification	With Amendment No.(s):
---	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	Coal Sample
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	
d)	Brand Name	NA
e)	Declared Values,if any	
f)	Code No.	
g)	Batch Number #	NA
h)	D.O.M #	NA
i)	Date of Expiry #	NA
j)	Sample Quantity #	50gm
k)	Batch Size #	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	03-10-2022
n)	Date of Start	06-10-2022
o)	Date of Completion	06-10-2022
p)	BIS Seal (Intact/Not Intact/Unsealed)	
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	
s)	Test Request Submitted By	Nabha Power Limited - Rajpura (Punjab)
t)	Manufactured By #	NA


 Kamal Grover
 08-10-2022
 Reviewer


 08-10-2022
 AkshaySharma
 [Authorized Signatory]

Disclaimer :

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2210030001 Sample Reg. Date :03-10-2022 Report Date :08-10-2022 Report No. :ICB-2210080001 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

u) Supplied By#	Nabha Power Limited
-----------------	---------------------

PART B : SUPPLEMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable	: N/A
b. Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c. Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description					
Description		Coal Sample (Sample received in good condition)			
S.No.	Parameter	Instrument	Method	Specification	Result
Discipline : Chemical					
Group : Chemicals Solid Fuels					
1.	Heavy Metals				
a.	Lead(as Pb)(mg/kg)	ICPOES	STP/ITC/F/INST/008		15.43
b.	Mercury(as Hg)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
c.	Arsenic(as As)(mg/kg)	ICPOES	STP/ITC/F/INST/008		1.32
d.	Chromium(as Cr)(mg/kg)	ICPOES	STP/ITC/F/INST/008		13.96

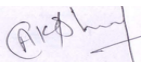
represents Customer Defined Fields

NOTE :

REMARKS :Party has asked for the above tests only.

*****End Of Report*****


Kamal Grover
08-10-2022
Reviewer


08-10-2022
AkshaySharma
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 1 of 2

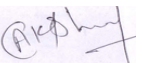
Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209120005 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICB-2209150004 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

Test Report as per IS :Party Specification	With Amendment No.(s):
---	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	Fly Ash
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	
d)	Brand Name	NA
e)	Declared Values,if any	
f)	Code No.	
g)	Batch Number #	NA
h)	D.O.M #	NA
i)	Date of Expiry #	NA
j)	Sample Quantity #	500gm
k)	Batch Size #	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	12-09-2022
n)	Date of Start	13-09-2022
o)	Date of Completion	14-09-2022
p)	BIS Seal (Intact/Not Intact/Unsealed)	
q)	IO'S Signature (Signed/Unsigned)	
r)	Any Other Information	Sample collected by lab rep. on 10.09.2022
s)	Test Request Submitted By	Nabha Power Limited - Rajpura (Punjab)
t)	Manufactured By #	Nabha Power Limited


 Kamal Grover
 15-09-2022
 Reviewer


 15-09-2022
 AksheySharma
 [Authorized Signatory]

Disclaimer :

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura (Punjab)	Sample Reg. No. :B01-2209120005 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICB-2209150004 Customer Ref. No.: PO Letter Dated :01.12.2020
--	---

u) Supplied By#	Nabha Power Limited
-----------------	---------------------

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable	: N/A
b. Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c. Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description					
Description		Grey color powder			
S.No.	Parameter	Instrument	Method	Specification	Result
Discipline : Chemical					
Group : Chemical Building Material					
1.	Heavy Metals				
a.	Lead(as Pb)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
b.	Mercury(as Hg)(mg/kg)	ICPOES	STP/ITC/F/INST/008		BLQ(LOQ:1.0)
c.	Arsenic(as As)(mg/kg)	ICPOES	STP/ITC/F/INST/008		6.08
d.	Chromium(as Cr)(mg/kg)	ICPOES	STP/ITC/F/INST/008		2.36

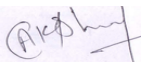
represents Customer Defined Fields

NOTE :

REMARKS :Party has asked for the above tests only.

*****End Of Report*****


Kamal Grover
15-09-2022
Reviewer


15-09-2022
AkshaySharma
[Authorized Signatory]

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Annexure-15

Test Report of Radioactivity in Coal, Fly Ash & Bottom Ash.



Sophisticated Analytical Instruments Laboratories
Society (Registered as Society with Registrar of Firms & Societies, Punjab, Chandigarh)
Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Test Report No.:	NN(D)/22-23/297	Date:	04.10.2022
Service No.	NN(D)/22-23/297(02)	Customer's Ref.	Sample Collected by Mr. Ghanshyam Mourya on dtd 02.09.2022
Customer's name and address: M/s Nabha Power Limited Post Box 28, Near village Nalash Rajpura, Distt. Patiala 140401, Punjab Kind attn.: Mr. Hemant Nimkar			
Sample Description	Fly Ash		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	--		
Quantity/number of samples	1 Kg / 1		
Sampling Procedure (if any)	--		
Test parameters	Alpha emitters, Beta emitters, Gamma emitters		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
02.09.2022	04.10.2022	3	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results
1	Alpha emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with Alpha Scintillation detector	Bq/Kg	Not detected
2	Beta emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with GM detector Probe	Bq/Kg	Not detected
3	Gamma emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with GM detector Probe	Bq/Kg	Not detected

Page 2 of 3


M. Agarwal

Technical Manager
(Authorized Signatory)

- Note:
1. The results listed refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied
 2. Samples will be destroyed after one month (except water, wastewater) from the date of issue of the test report unless otherwise specified
 3. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the products is neither inferred nor implied. court of law and should not be used in any advertising media without special permission in writing.
 4. In case any reconfirmation of contents of the test report is required, please contact the authorized signatory of the test report within 15 days of the issue of test report



**Sophisticated Analytical Instruments Laboratories
Society** (Registered as Society with Registrar of Firms & Societies, Punjab, Chandigarh)
Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Test Report No.:	NN(D)/22-23/297	Date:	04.10.2022
Service No.	NN(D)/22-23/297(03)	Customer's Ref.	Sample Collected by Mr. Ghanshyam Mourya on dtd 02.09.2022
Customer's name and address: M/s Nabha Power Limited Post Box 28, Near village Nalash Rajpura, Distt. Patiala 140401, Punjab Kind attn.: Mr. Hemant Nimkar			
Sample Description	Coal		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	--		
Quantity/number of samples	1 Kg / 1		
Sampling Procedure (if any)	--		
Test parameters	Alpha emitters, Beta emitters, Gamma emitters		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
02.09.2022	04.10.2022	3	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results
1	Alpha emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with Alpha Scintillation detector	Bq/Kg	Not detected
2	Beta emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with GM detector Probe	Bq/Kg	Not detected
3	Gamma emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with GM detector Probe	Bq/Kg	Not detected

Page 3 of 3

.....End of the report.....


M. Agarwal

**Technical Manager
(Authorized Signatory)**

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Society** (Registered as Society with Registrar of Firms & Societies, Punjab, Chandigarh)
Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Test Report No.:	NN(D)/22-23/297	Date:	04.10.2022
Service No.	NN(D)/22-23/297(01)	Customer's Ref.	Sample Collected by Mr. Ghanshyam Mourya on dtd 02.09.2022
Customer's name and address: M/s Nabha Power Limited Post Box 28, Near village Nalash Rajpura, Distt. Patiala 140401, Punjab Kind attn.: Mr. Hemant Nimkar			
Sample Description	Bottom Ash		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	--		
Quantity/number of samples	1 Kg / 1		
Sampling Procedure (if any)	--		
Test parameters	Alpha emitters, Beta emitters, Gamma emitters		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
02.09.2022	04.10.2022	3	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results
1	Alpha emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with Alpha Scintillation detector	Bq/Kg	Not detected
2	Beta emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with GM detector Probe	Bq/Kg	Not detected
3	Gamma emitters	EPA-600/4-78-039 July 1978 Followed by Radiation Counting System Rc605 A with GM detector Probe	Bq/Kg	Not detected

Page 1 of 3


M. Agarwal

**Technical Manager
(Authorized Signatory)**

- Note:
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 2. Samples will be destroyed after one month (except water, wastewater) from the date of issue of the test report unless otherwise specified
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 4. In case any reconfirmation of contents of the test report is required, please contact the authorized signatory of the test report within 15 days of the issue of test report

Annexure-16


Test Report of Surface Water Quality.

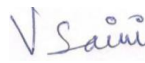
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2205190659 Sample Reg. Date :19-05-2022 Report Date :31-05-2022 Report No. :ICE-2205311207 NABL ULR No. :TC592622000007950F Customer Ref. No.: PO Letter Dated :09.07.2021
---	--

Test Report as per IS: BIS Specification IS:10500-2012	With Amendment No.(s): 01 to 04
---	--

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Surface Water
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in can
m)	Date of Receipt	19-05-2022
n)	Date of Start	19-05-2022
o)	Date of Completion	31-05-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ashutosh on 18.05.2022


 Vikrant
 31-05-2022
 Reviewer


 31-05-2022
 PremKumar
 [Authorized Signatory]

Disclaimer :

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- Legal disputes are subjected to Panchkula Jurisdiction only.

Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2205190659
	Sample Reg. Date :19-05-2022
	Report Date :31-05-2022
	Report No. :ICE-2205311207
	NABL ULR No. :TC592622000007950F
	Customer Ref. No.: PO
	Letter Dated :09.07.2021

s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	Clear Colourless Liquid				
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
	Discipline : Chemical				
	Group : Water				
1.	Organoleptic &Physical Parameter				
a.	Colour (Hazen)	IS: 3025 (P-4)-2021	5 Max.	15 Max.	4
b.	Odour	IS: 3025 (P-5)-2018	Agreeable	-	Agreeable
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.32
d.	Turbidity(NTU)	IS:3025(Part 10):1984(RA:2017)	1 Max.	5 Max.	<0.5
e.	Total Dissolved Solids,(mg/l)	IS: 3025 (P-16)-1984 (RA 2017)	500 Max.	2000 Max.	136
2.	Parameters Concerning Undesirable Substances in excess amount				

V Saini
Vikrant
31-05-2022
Reviewer

PremKumar
31-05-2022
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2205190659 Sample Reg. Date :19-05-2022 Report Date :31-05-2022 Report No. :ICE-2205311207 NABL ULR No. :TC592622000007950F Customer Ref. No.: PO Letter Dated :09.07.2021
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Sl. No.	Parameter	IS: 3025 (P-32)-1988 (RA2019)	250 Max.	1000 Max.	5.1
a.	Chloride(as Cl) (mg/l)	IS: 3025 (P-32)-1988 (RA2019)	250 Max.	1000 Max.	5.1
b.	Fluoride as F (mg/l)	IS: 3025 (P-60)-2008 (RA 2019)	1.0 Max.	1.5 Max.	BLQ(LOQ : 0.1)
c.	Free Residual Chlorine, (mg/l)	IS: 3025 (P-26): 2021	0.2 Min.	1.0 Max.	Not Applicable
d.	Iron (as Fe) (mg/l)	IS: 3025 (P-53)-2003 (RA 2019)	1.0 Max.	No relaxation	BLQ(LOQ : 0.01)
e.	Nitrate as NO ₃ (mg/l)	IS: 3025 (P-34)-1988 (RA 2019)	45 Max.	No Relaxation	BLQ(LOQ : 1.0)
f.	Sulphate(as SO ₄) (mg/l)	IS: 3025 (P-24)-1986 (RA 2019)	200 Max.	400 Max.	32.2
g.	Total Alkalinity(as CaCO ₃)(mg/l)	IS: 3025 (Part 23)-1986 (RA 2019)	200 Max.	600 Max.	68.1
h.	Total Hardness(as CaCO ₃), (mg/l)	IS: 3025 (Part 21)-2009 (RA 2019)	200 Max.	600 Max.	107.5

represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure: SOP/ITC/EW/030.

REMARKS :The above referred sample of Surface Water conforms to BIS Specification IS:10500-2012 with upto date amdts with respect to the above tests.

*****End Of Report*****

V Saini
Vikrant
31-05-2022
Reviewer

PremKumar
31-05-2022
PremKumar
[Authorized Signatory]

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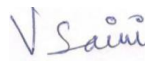
Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120420 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICE-2209150702 NABL ULR No. :TC592622000012970F Customer Ref. No.: PO Letter Dated :09.07.2021
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Test Report as per IS: BIS Specification IS:10500-2012	With Amendment No.(s): 01 to 04
---	--

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Surface Water
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	2 Ltr
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in can
m)	Date of Receipt	12-09-2022
n)	Date of Start	12-09-2022
o)	Date of Completion	15-09-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample Collected by lab rep. Mr. Ram Gopal on 09.09.2022


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
 [Authorized Signatory]

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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120420 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICE-2209150702 NABL ULR No. :TC592622000012970F Customer Ref. No.: PO Letter Dated :09.07.2021
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s)	Test Request Submitted By	Nabha Power Limited-Rajpura (Punjab)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description	Liquid With Suspended Particles				
S.No.	Parameters	Method	Acceptable Limit	Permissible Limit	Result
Discipline : Chemical					
Group : Water					
1. Organoleptic & Physical Parameter					
a.	Colour (True Colour)	IS 3025 (Part 4) : 2021	5 Max.	15 Max.	5
b.	Odour	IS: 3025 (P-5)-2018	Agreeable	-	Disagreeable
c.	Turbidity (NTU)	IS:3025(Part 10):1984(RA:2017)	1 Max.	5 Max.	5.60
d.	pH Value	IS: 3025 (Part-11): 2022	6.5-8.5	No relaxation	8.10
e.	Total Dissolved Solids,(mg/L)	IS: 3025 (P-16)-1984 (RA 2017)	500 Max.	2000 Max.	153

V Saini
Vikrant
15-09-2022
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Test Report

Issued To Nabha Power Limited Near Village: Nalash, P.B. No.28, Rajpura, Distt. Patiala Rajpura	Sample Reg. No. :E01-2209120420 Sample Reg. Date :12-09-2022 Report Date :15-09-2022 Report No. :ICE-2209150702 NABL ULR No. :TC592622000012970F Customer Ref. No.: PO Letter Dated :09.07.2021
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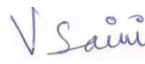
2.	Parameters Concerning Undesirable Substances in excess amount				
a.	Chloride(as Cl)(mg/L)	IS: 3025 (P-32)-1988 (RA2019)	250 Max.	1000 Max.	2.9
b.	Fluoride as F(mg/L)	IS: 3025 (P-60)-2008 (RA 2019)	1.0 Max.	1.5 Max.	BLQ(LOQ:0.1)
c.	Free Residual Chlorine, (mg/L)	IS: 3025 (P-26): 2021	0.2 Min.	1.0 Max.	Not Applicable
d.	Iron (as Fe)(mg/L)	IS: 3025 (P-53)-2003 (RA 2019)	1.0 Max.	No relaxation	BLQ(LOQ:0.08)
e.	Nitrate as NO ₃ (mg/L)	APHA 23rd Edition 2017, 4500 NO3	45 Max.	No Relaxation	2
f.	Sulphate(as SO ₄)(mg/L)	IS: 3025 (P-24/Sec-1)-2022	200 Max.	400 Max.	68.3
g.	Total Alkalinity(as CaCO ₃)(mg/L)	IS: 3025 (Part 23)-1986 (RA 2019)	200 Max.	600 Max.	62
h.	Total Hardness(as CaCO ₃)(mg/L)	IS: 3025 (Part 21)-2009 (RA 2019)	200 Max.	600 Max.	108.6

#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification. Sampling Procedure : SOP/ITC/EW/030

REMARKS :N/A

*****End Of Report*****


 Vikrant
 15-09-2022
 Reviewer


 15-09-2022
 PremKumar
 [Authorized Signatory]

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Annexure-17

Public Grievances Redressal Cell Minutes of Meeting

Minutes Of Meeting			
Date	29.09.2022	Time	16:00 Hrs
Subject	Public Grievances Redressal Cell		
Venue	Virtual (TEAMS)		
Participants	<ol style="list-style-type: none"> 1. Mr. R S Lall, Chairman 2. Mr. Rajesh Kumar, Member 3. Mr. Prateek Gupta, Member 4. Mr. Amit Kumar Garg, Member 5. Mr. Devdutta Sarma, Convener 		
Absent	None		

1. Mr. R S Lall, ascertained that the requisite quorum was present and called the meeting to order.
2. Mr. Devdutta Sarma updated that two concerns were raised by local Sarpanches: -
 - a. Wild Boars from NPL green areas entering the fields of farmers and destroying their crops.
 - b. Water logging in the underpass of Harna & Sural Khurd due to incessant rains during 25- 27th Sept'22.
3. Regarding the point 2(a), Mr. Devdutta Sarma updated that this shall be appraised to District Forest Officer (DFO), Patiala and direction from DFO would be sought in the matter.
4. Regarding the point 2(b), Mr. Amit Kumar, updated that he & Gagandeep Singh from CSR had visited the area immediately. During a joint visit to the site, it was briefed to the villagers that the continuous heavy rain for 72 hours was unprecedented and that 2 pumps are already working day & night to evacuate the rainwater due to incessant rains during 25th Sept-27th Sept'22. Considering the request of villagers one more additional pump was installed to expedite the dewatering. The villagers were also requested not to discharge water from their fields under the bridge which was aggravating the water logging.
5. As there were no other open points for discussion and no other member had any other points for discussion. The meeting was concluded.