

**AMNS / ENV / COMP- MOEF / 11 - 23**

30<sup>th</sup> November, 2023

**Deputy Director General of Forests**  
Ministry of Environment, Forest & Climate Change  
Integrated Regional Office,  
"Aranya Bhawan" Near CH-3 Circle,  
Sector-10A, Gandhinagar – 382010

**Sub:** ArcelorMittal Nippon Steel India Limited (AMNS), Hazira, Gujarat - Half Yearly Environment Clearance (EC) compliance report for the period Apr'23 - Sep'23.

**Ref:** 1) EC Vide No. 11-65/2005-IA-III dated 18.09.2006  
2) EC Vide No: 11-1/2012-IA.III dated 11.01.2013, amended on 03.05.2013.  
3) EC Vide No. J -11011/381/2014-IA II (I) dated 09.03.2016  
4) EC Vide No. J -11011/44/2004-IA II (I) dated 02.03.2022  
5) EC Vide No. J-11011/44/2004-IA II (I) & J-11011/381/20014-IA I dated 03.10.2022.

**Dear Sir,**

This is with reference to the above referred subject, we are submitting the half yearly compliance status report for the following Environmental Clearances for the period of Apr'23 - Sep'23.

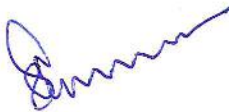
- A. Env & CRZ Clearance granted for Captive jetty expansion project vide EC letter dated : 18.09.2006
- B. CRZ clearance granted for 220KV transmission line project vide letter dated : 03.05.2013
- C. Env. Clearance granted for Re-configuration Project vide EC letter dated : 09.03.2016
- D. Env. Clearance granted for Modification Project vide EC letter dated : 02.03.2022
- E. Env. Clearance granted for Upstream Project (Phase – 1) vide EC letter dated : 03.10.2022

This is for your kind information and records please.

Thanking you,

Yours faithfully,

For, **ArcelorMittal Nippon Steel India Limited (AM/NS India)**



**R.S. Sankarasubramanian**  
Head – Environment

**Copy to :** 1) Central Pollution Control Board (CPCB), Western Regional office, Vadodara  
2) Regional Officer, GPCB, Surat.

**Annexure - A****Compliance status of Environmental & CRZ Clearance for expansion of Captive jetty by 734m from 456m to 1190m - Vide No. 11-65/2005-IA-III dated 18<sup>th</sup> September 2006**

COND. NO.	POINTS TO BE COMPLIED	COMPLIANCE STATUS
<b>A</b>	<b>Specific Condition</b>	
i)	All the recommendations listed in the Environmental Management plan, Environmental Impact and Assessment prepared by NIO should be strictly implemented.	We abide.
ii)	The dredged material obtained should be utilized for filling back up area.	Complied, Dredged material used for filling back up area ( ~ 35 ha) behind the Jetty.
iii)	The recommendations of the CWPRS mathematical model studies with respect to hydrodynamics should be implemented.	CWPRS has concluded that there would be no significant changes flow conditions in the Tapi Esturay.
iv)	Appropriate shore erosion measures should be taken up as indicated in the report of NIO.	As per the report of CWPRS, shoreline on the southern side of existing jetty remains stable therefore shore erosion control measure is not required.
v)	It should be ensured that during construction and operation of mangroves located about 1,000 m North of the proposed jetty should not be affected.	Being complied, Mangrove in that area is untouched.
vi)	Monitoring and mitigating steps to prevent pollution of Tapi estuary by the project should be taken up in their area.	Monthly manual Marine monitoring of Tapi Estuary is being done by Third Party & NABL accredited laboratory to evaluate the marine status of the estuary due to effluent discharge and report of the same is sent to GPCB on monthly basis. Similarly, a six monthly report is also being sent to MoEF&CC. Further 8 locations sampling and analysis of physico-chemical & biological environmental monitoring is carried out in 2020 ( pre monsoon and post monsoon) to study the overall impact on marine environment due to discharge of Treated effluent to the estuary by Third Party (M/s. Shree Green Environmental Laboratories) NABL accredited laboratory involving Marine ecology & Bio-diversity expert.
vii)	The recommendations of NIO in the EIA report shall be followed.	We abide.



viii)	All the conditions stipulated by the Gujarat Pollution Control Board in their consent letter No.PC/NOC/SRT-1404/2271 dated 27.1.2004 should be effectively implemented.	GPCB issued the Consent to Operate and the consent condition are being complied.
ix)	All the conditions stipulated by the Government of Gujarat, Forests and Environment Department should be effectively implemented.	Being complied.
x)	Sewage arising in the port area should be disposed off through septic tank – Soak pit system or shall be treated along with the industrial effluents to conform the standards stipulated by GPCB and shall be utilized/re-cycled for gardening, plantation and irrigation.	Sewage is being disposed of through septic tank – soak pit system.
xi)	Adequate plantation should be carried out along the roads of the Port premises and a green belt should be developed.	Plantation around Roads & Green belt developed.
xii)	There should be no withdrawal of ground water in CRZ area, for this project. The proponent should ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers should be installed for regular monitoring for this purpose at appropriate locations on the project site.	No Ground water is withdrawn for this project.
xiii)	The project should not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department.	Required water withdrawal permission & Electricity supply permission obtained on behalf of Steel complex.
xiv)	Specific arrangements for rainwater harvesting should be made in the project design and the rain water to be harvested should be optimally utilized. Details in this regard should be furnished to this Ministry's Regional Office at Bhopal within 3 months.	Rainwater conservation is practiced. Company having 8 Nos. of locations for rainwater harvesting in the complex.
xv)	All the developmental activities and the facilities to be constructed in the CRZ area as a part of this project should be strictly in conformity with the provisions of the CRZ notification, 1991 as amended subsequently.	Agreed
xvi)	Green buffer zone should be provided all round the project area in consultation with local forest department and the report submitted to this Ministry's Regional Office at Bhopal.	Green Buffer Zone by way of plantation is being developed in AMNS Complex.
xvii)	No product other than those permissible in the Coastal Regulation Zone Notification, 1991 should be stored in the Coastal Regulation Zone area.	Agreed



xviii)	The project proponent should undertake up activities to improve the quality of life of the local people living along the project site. The activities should include supply of drinking water, providing rainwater harvesting structures.	Undertaken Community development activities for nearby villages since inception. Please refer Annexure – 1 (CSR Report).
xix)	The relocation of the fishermen community should be done strictly in accordance with the norms prescribed by the State Government. The relocated fishermen community if any will be provided with all facilities including health care, education, sanitation and livelihood.	Project does not involve any relocation of fisherman.
<b>B</b>	<b>General Condition</b>	
i)	Construction of the proposed structures should be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification 1991 and its amendments. All the construction designs/drawings related to the proposed construction activities must have approvals of the concerned state Government Departments / Agencies.	Construction drawings have been approved by GMB.
ii)	Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/mangroves and pollution of water and the surroundings.	Adequate Amenities provided during the construction stage.
iii)	The project authorities must take necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper wastewater treatment plant outside of CRZ area. The quality of treated effluents, solid wastes and noise level etc. must conform to the standards laid down by the competent authorities including the Central/State Pollution Control Board and the Union Ministry of Environment and Forests under the Environment (Protection) Act, 1986 whichever are more stringent.	Solid wastes, mainly garbage generated from Tugs / barges are being collected & disposed. Haz. Waste – used oil / Waste oil disposed to authorized recyclers.
iv)	The proponent shall obtain the requisite consents for discharge of effluents and emissions under the water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 from the Gujarat Pollution Control Board before commissioning of the project and a copy of these shall be sent to this Ministry.	CCA already received from GPCB.



v)	The proponents shall provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The records of analysis reports must be properly maintained and made available for inspection to the concerned State/Central officials during their visits.	There is no industrial effluent generation from the Jetty operations.
vi)	In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters.	Monthly Environmental monitoring is being done by Third Party Approved Laboratory and report of the same is sent to GPCB on monthly basis. Similarly, a six monthly report is also being sent to MoEF&CC.
vii)	The sand dunes and mangroves, if any, on the site should not be disturbed in any way.	No mangroves & Sand dunes in the project site.
viii)	A copy of the clearance letter will be marked to the concerned panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.	Has already been done by GPCB.
ix)	The Gujarat Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office/Thasildar's office for 30 days.	Has already been done by GPCB.
x)	The funds earmarked for environment protection measures should be maintained, in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bhopal and the State Pollution Control Board.	Expenditure done for environmental safeguards towards entire complex for FY 2022-23 is Rs.178 Crores.
xi)	Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.	Full Support & co-operation is extended to officers of the ministry.
xii)	In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection.	We abide.
xiii)	The Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of the Ministry.	We abide.



xiv)	The Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.	We abide.
xv)	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with State Pollution Control Board and may also seen at Website of the Ministry of Environment and Forests at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal.	Advertised in the month of September'06.
xvi)	The project proponents should inform the Regional Office at Bhopal as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of Land Development Work	Financial closure of the project has been completed and we have obtained consent to operate from GPCB for the unit cleared vide under this EC.

Authorized Signatory



**R.S. Sankarasubramanian**  
Head - Environment



**Annexure – B****Compliance status of CRZ Clearance for 220 KV M/C Transmission Tower Line from the Captive Power plant to ArcelorMittal Nippon Steel India Limited (Formerly Essar Steel India Limited) at Hazira Vide F. No. 11-1/2012 – IA .III Dated.11<sup>th</sup> January, 2013**

COND. NO.	POINTS TO BE COMPLIED	COMPLIANCE STATUS
	<b>Specific Conditions</b>	
i)	All the conditions stipulated by the SCZMA shall be complied with.	Complied with.
ii)	There shall be no drawl of ground water.	No Ground water drawl is being done.
iii)	Construction shall be carried out strictly as per the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	No activities carried out in CRZ area other than permitted.
iv)	There shall be no disposal of solid and liquid wastes in the Coastal areas.	We comply this condition.
	<b>General Conditions</b>	
i)	Full support shall be extended to the officers of this Ministry / Regional Office at Bhopal by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Full support & co-operation is extended to officers of the Ministry.
ii)	Ministry & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	We abide.
iii)	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	We abide.
iv)	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.	Till date no change in project profile.



v)	A copy of the clearance letter shall be marked to concerned panchayat / local NGO, If any, from whom any suggestion/representation has been made received while processing the proposal.	We comply this condition.
vi)	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center & Collector's Office / Tehsildar's Office for 30 days.	GPCB had already complied.
8.	The project proponent shall advertise in at least two local News papers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance & copy of clearance letters available with the State Pollution Control Board & may also be seen on the website of the Ministry of Environment and Forests at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> .The advertisement should made within 10 days from the date of receipt of the clearance letter & a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal.	We have advertised the same in two local newspapers on 23.01.2013.
9.	This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ petition (Civil) No.460 of 2004 as may be applicable to this project.	We abide.
10.	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	We abide.
11.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall be put on the website of the company by the proponent.	Clearance letter already sent to Panchayat, Municipal corporation & Urban local body.
12.	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	We abide.

Authorized Signatory



**R.S. Sankarasubramanian**  
Head - Environment





**Annexure – C**

**Environment Clearance (EC) J-11011/381/2014-IA II (I) dated 09-03-2016 covers all the production capacities of the following ECs.**

**Environment Clearance (EC) Details**

Sr. No.	EC No.	Date	Plant	Capacity	Implementation Status
1	J – 11011/4/92-IA-II(I)	23/07/1992	Sponge Iron & Hot Rolled Coil (Integrated Steel Plant)	(Not Mentioned)	In operation
2	J-11011/45/2004 IA – II(I)	07/11/2005	Hot Briquetted Iron (HBI)	3,33,333 MTPM	In operation
			Hot Rolled Coil (HRC)	2,50,000 MTPM	In operation
			Hot Metal	61,250 MTPM	In operation
3	11-65/2005-IA-III	18/09/2006	Extension of existing Jetty to a length of 1190 Mtrs & 35 ha reclaimed land		In operation
4	J-13011/7/2006 IA.II (T)	21/09/2006	525 MW Gas based Captive Power Plant		In operation
5	J-11011/74-III/2006 – IAII(I)	29/05/2008	Hot Briquetted Iron (HBI)	3,33,333 MTPM	In operation
			Hot Rolled Coil (HRC)	3,75,000 MTPM	In operation
			BF Grade Coke	50,000 MTPM	In operation
			Electricity Generation (WHRB)	1.15(48 MW) MU/Day (MW)	Not Established
			Oxygen (Gas)	371,12,000 Nm3/M	In operation
			Oxygen (Liquid)	21,24,000 Nm3/M	In operation
			Nitrogen	3,45,20,000 Nm3/M	In operation
			Argon	10,58,400 Nm3/M	In operation
			Electricity Generation	31 MW	<ul style="list-style-type: none"> <li>▪ In operation during Apr'23 to Aug'23</li> <li>▪ <b>Dismantled</b> from 4<sup>th</sup> Sep'23 for Proposed expansion as per EC</li> </ul>
			Electricity Generation (New CPP)	525 MW	In operation
6	J-11011/327-I/2006-IA.II (I)	29/05/2008	Hot Briquetted Iron (HBI)	1.98 MMTPA	In operation
			Iron Ore Fines	2,52,840 TPA	In operation
7	J-11011/74-II/2006-IA.II(I)	29/05/2008	Hot Rolled Plate	15,00,000 TPA	In operation
8	J-13011/90/2006-IA.II(T)	10/08/2009	25 MW Waste Heat Recovery Based Power Plant		In operation
9	J-11011/714-A/2008-IAII(I)	05/07/2010	Pellet Plant		
			Pellets	40,00,000 TPA	Not Established
			HBI/DRI Plant ( 1 Nos.)		
			HBI / DRI	18,50,000 TPA	In operation
			Iron Ore Fines	2,68,000 TPA	In operation
			Corex Plant (2 Nos)		
			Hot Metal	17,00,000 TPA	In operation
			Granulated Slag	5,10,000 TPA	In operation
			Granulated Pig Iron	68,292 TPA	In operation
Blast Furnace					



ArcelorMittal Nippon Steel India Limited, Hazira

			Hot Metal	20,40,000 TPA	In operation
			Granulated Slag	6,12,000 TPA	In operation
			Steel Melt Shop(4 EAF & 4 LF)		
			Liquid Steel	50,00,000 TPA	In operation
			Slag	10,00,000 TPA	In operation
			Iron Fines	62,400 TPA	In operation
			Caster Shop (4 Slab & 2 Billet Casters)		
			Slabs from slab caster	49,00,000 TPA	In operation
			Billets from Billet caster	23,70000 TPA	Not Established
			Addition of CSP Hot Rolling Mill with Long Product Mill		
			Rebar	15,99,996 TPA	Not Established
			Wire Road	6,99,996 TPA	Not Established
			HRC	35,00,000 TPA	In operation
			Mill Scale	1,20,000 TPA	In operation
			Lime Plant (3 Nos)		
			Lime / Dolime	4,50,000 TPA	In operation
			Lime Stone / Dolomite chips	1,10,000 TPA	In operation
			Lime Fines	30,000 TPA	In operation
			Off Grade Lime Dolime	10,000 TPA	In operation
			Oxygen Plant (4 Nos)		
			Oxygen Gaseous Nm3/Hr	3,09,000 TPA	In operation
			Nitrogen Nm3/Hr	72,000 TPA	In operation
			Argon Nm3 / Hr	2,000 TPA	In operation
10	J-11011/ 313/2009 – IA. II (I)	28/07/2010	Coke Oven – 1.2 MMTPA		Not established
11	11-1/2012 – IA.III	11/01/2013	220 KV M/C Transmission Tower Line		In operation

MMTPA – Million Metric Tonnes Per Annum, MTPM – Metric Tonnes Per Month, TPA – Tonnes Per Annum



**Status of Reconfiguration Projects granted as per Environment Clearance dated 09.03.2016**

S.No	Plant / Facility	As per EC dated :09.03.2016 ( A=A1+A2)							Remarks
		Total (A)		Implemented (A1)		Un-implemented (A2)		As per CTO	
		Config.	Capacity	Config.	Capacity	Config.	Capacity	Capacity	
1	HBI Plant (DRI Mod I to VI) (in MTPA)	Mod I-IV: 4.0 Mod:V - 1.98 Mod VI: 1.85	7.83 (- 4.0* =3.83)	Mod I-IV: 4.0 Mod:V - 1.98 Mod VI: 1.85	7.83	-	7.83	* Earlier planning was to remove HBI Modules (1 to 4) totalling 4 MTPA and replace it with Blast Furnace of 3.0 MTPA. This could not be implemented due to fund constraints and legal cases at the NCLT. *Original capacity prior to EC 2016 was 7.83 MTPA only. It is now proposed to maintain this original capacity. CTO has been sanctioned for 7.83 MTPA.	
2	Blast Furnace (BF) (in MTPA)	1 x 2.04 (2200 m3) 1 x 3.0	5.04	1 x 2.04	2.04*	-	(-3.0#)	2.04	# 3.0 MTPA couldn't be implemented due to fund constraints and legal cases at the NCLT, now dropped.
3	Sinter Plant	1x 1.48 (1 x 120 m2) 2 x 3.5 (~ 325 m2 each)	8.48*	1 x 1.48	1.48	-	(-7.0#)	1.48	# 7.0 MTPA plant couldn't be implemented due to fund constraints and legal cases at the NCLT.
4	Coke Oven (Recovery Type)	1 x 1.20 1 x 1.35	2.55	2 x 59 Ovens	1.35#	-	1.20*	-	# Under implementation *2016 EC approved for 2.55 MTPA, AMNSI is proceeding only with 1.35 MTPA since 1.2 MTPA originally secured in 2010 EC has now lapsed.
5	Air Separation Plant (Nm3/Hr)	1 X 343 TPD 1 X 257 TPD 1 X 785 TPD 3 X 1714 TPD 1 X 700 TPD (Only oxygen) 1 X 2200 TPD	424,744	1 X 343 TPD 1 X 257 TPD 1 X 785 TPD 3 X 1714 TPD 1 X 700 TPD (Only oxygen)	360,544	1 X 2200 TPD	64,200*	360,544	*64200 Nm3/hr plant will be established as per 2016 EC





S.No	Plant / Facility	As per EC dated :09.03.2016 ( A=A1+A2)							Remarks
		Total (A)		Implemented (A1)		Un-implemented (A2)		As per CTO	
		Config.	Capacity	Config.	Capacity	Config.	Capacity	Capacity	
6	SMS-1 (EAF 4 Nos.)	4 x 150 MT Heat size	4.6*	4 x 150 MT Heat size	4.6*		-	4.6	*Earlier planning was to remove 4.6 MTPA EAF -4 nos. and replacing with BOF-3 nos. in its place but that could not be implemented due to fund constraints and legal cases at the NCLT. Original capacity prior to EC 2016 was 4.6 MTPA only and it is now submitted to retain this original capacity. CTO has been sanctioned for 4.6 MTPA.
7	SMS-2	4 x 200 MT Heat size	5.0	4 x 200 MT Heat size	5.0		-	5.0	
	Total SMS		9.6		9.6		-	9.6	
9	Corex Plant	2 x 0.85	1.7	2 x 0.85	1.7		-	1.7	
10	Lime Plant (Lime/Dolime)	1 x 0.45 (4 x 300 TPD) 1 x 0.48 (3 x 500 TPD)	0.93	1 x 0.45 1 x 0.48	0.93	1 x 0.27* (1 x 200 + 1 x 500 TPD)	0.27	0.93	*0.27 MTPA approved under modification Project.
11	Plate Mill	1 x 1.5	1.5	1 x 1.5	1.5		-	1.5	
12	CSP and HRC	1 x 3.5	3.5*	1 x 3.5 1 x 4.5#	8.0*		-	8.0	* 3.5 MTPA approved vide 05.07.2010 EC # 4.5 MTPA Approved vide 29-05-2008 EC Total 8.0 implemented, but inadvertently mentioned 3.5 MTPA only in 2016 EC
13	CRM	1 x 1.5	1.5	1 x 1.5 1 x 0.54*	2.04*	1 x 2.2 1 x 1.0	3.2#	2.04	* CTO taken for additional 0.54 MTPA from GPCB. #3.2 MTPA Approved in Modification Project.
14	Pipe mill:								
	H Saw Pipes (in MTPA)	1 x 0.15	0.15	1 x 0.15 1 x 0.15*	0.30*		0	0.3	0.15 MTPA as per 2016 EC *CTO taken for additional 0.15 MTPA from GPCB. (0.15+0.15=0.30).
	L Saw Pipes (in MTPA)	1 x 0.33	0.33	1 x 0.33	0.33		0	0.33	
15	CPP (in MW)	1 X 475 MW 1 X 31 MW	604	1 X 475 MW 1 X 31 MW	556	1 x 48 MW	(-48#)	556	#48 MW Power plant dropped

S.No	Plant / Facility	As per EC dated :09.03.2016 ( A=A1+A2)							Remarks
		Total (A)		Implemented (A1)		Un-implemented (A2)		As per CTO	
		Config.	Capacity	Config.	Capacity	Config.	Capacity	Capacity	
		1 X 40 MW 1 X 10 MW 1 X 48 MW		1 X 40 MW 1 X 10 MW					
16	Waste Heat Recovery based Power Plant (in MW)	1 x 25 MW 1 x 20 MW	45	1 X 25 MW	25	1 X 20 MW	20*	25	*20 MW to be implemented
17	Jetty (length in m)	456 m+ 734 m	1190 m & 35 ha reclaimed land	456 m + 734 m	1190 m & 35 ha reclaimed land	-	-	734 m*	* 734- and 456-meters capacity was sanctioned in 2006 EC. This was implemented although inadvertently mentioned 734 m only in 2016 EC and CTO also mentioned the same 734m length.



**Compliance Status of Environment Clearance for Replacement of existing Hot Briquetted Iron(HBI)/ Direct Reduced Iron(DRI) Modules I to IV with Blast Furnace and associated facilities like Sinter plant, Coke oven plant and Existing Arc Furnace (EAF) facility with Basic Oxygen Furnace (BOF) facility in the existing integrated steel plant of ArcelorMittal Nippon Steel India Limited (Formerly M/ Essar Steel India Limited) - EC No: F.No.J-11011/381/2014-IA II (I) dated 9<sup>th</sup> March, 2016.**

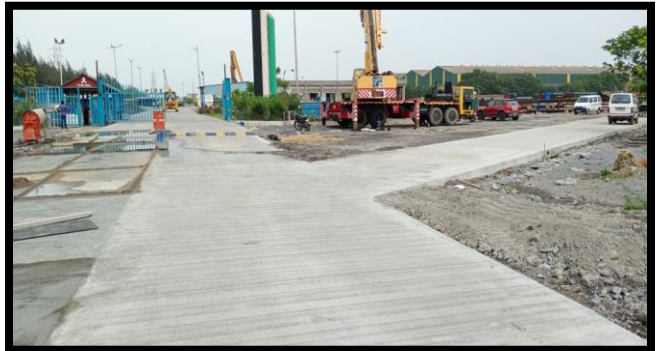
CO No.	POINTS TO BE COMPLIED	COMPLIANCE STATUS
I.	The Project proponent shall install 24x7 air monitoring devices to monitor air emission, as provided by the CPCB and shall submit report to ministry and its regional office.	<p>Installed Four nos. of Continuous (24*7) Ambient Air Quality Monitoring Stations (CAAQMS) and real-time data being connected to SPCB server.</p> <p>Monthly Manual monitoring is being done for Ambient air quality by Third Party (M/s. Pollucon Laboratories Pvt. Ltd.) approved by NABL &amp; Recognized by MoEF&amp;CC and analysis results are being submitted to GPCB &amp; MoEF&amp;CC regularly.</p> <p>The results are,</p> <ul style="list-style-type: none"> <li>• PM10 values ranging from 48.5 to 80.71 complying GPCB norms of 100 µg/Nm<sup>3</sup>.</li> <li>• PM2.5 values ranging from 7.81 to 44.76 complying GPCB norms of 60 µg/Nm<sup>3</sup>.</li> <li>• SO<sub>2</sub> values ranging from 10.13 to 21.20 complying GPCB norms of 80 µg/Nm<sup>3</sup>.</li> <li>• NO<sub>x</sub> values ranging from 17.56 to 36.30 complying GPCB norms of 80 µg/Nm<sup>3</sup>.</li> </ul>
II.	Continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), bag house, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm <sup>3</sup> and installing energy efficient technology.	<p>Continuous stack monitoring facilities have been provided for stacks which are having effective air pollution control devices such as Dedusting systems, Electrostatic Precipitator (ESP), Bag House &amp; Bag Filters, Hydro cyclone, Venturi Scrubber.</p> <p><u>ESP Photograph (Sinter Plant):</u></p>  <p><u>Bag House Photograph: (Bag Filters installed at SMP1, SMP2, Lime Plant 1, Lime Plant 2, Corex, Blast Furnace, HBI, Plate Mill, Pipe Mill)</u></p>

		 <p>Monthly manual monitoring is being done for all Stacks by Third Party (M/s. Pollucon Laboratories Pvt. Ltd.) approved by NABL &amp; Recognized by MoEF&amp;CC and analysis reports are being submitted to GPCB &amp; MoEF&amp;CC regularly. The Stack Monitoring results are well within the stipulated GPCB norms.</p>								
<p>III.</p>	<p>Efforts shall further be made to use maximum water from the rain water harvesting sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly. All the effluent should be treated and used for ash handling, dust suppression and green belt development.</p>	<p>Total 1,94,867 m3 of rain water harvested for the period Apr'23 – Sept'23.</p> <p>We are using air cooled condensers and closed circuit cooling system.</p> <p>Using treated effluent water for dust suppression and green belt development.</p>								
<p>IV.</p>	<p>All the coal fines and char shall be utilized within the plant and no char shall be used for briquette making or disposed off anywhere else. Scrap shall be used in Steel melting shop (SMS) and SMS slag and kiln accretions shall be properly utilized. All the other solid waste including broken refractory mass shall be properly disposed of in environment- friendly manner.</p>	<p>Coal fines is being utilized as a raw material in Blast Furnace.</p> <p>Scrap is being used in Steel melting shop (SMS) and SMS slag and kiln accretions has been utilized properly in Environment friendly manner.</p> <p>Other Materials Utilization Table:</p> <table border="1" data-bbox="863 1243 1451 1415"> <thead> <tr> <th>Materials</th> <th>Utilization (MT) Apr'23 – Sept'23</th> </tr> </thead> <tbody> <tr> <td>Coal Fines</td> <td>244105</td> </tr> <tr> <td>Scrap</td> <td>169334</td> </tr> <tr> <td>SMS Slag</td> <td>917862</td> </tr> </tbody> </table>	Materials	Utilization (MT) Apr'23 – Sept'23	Coal Fines	244105	Scrap	169334	SMS Slag	917862
Materials	Utilization (MT) Apr'23 – Sept'23									
Coal Fines	244105									
Scrap	169334									
SMS Slag	917862									
<p>V.</p>	<p>All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3 tier avenue plantation using native species shall be developed along the roads. Facilities for parking of trucks carrying raw coal from the linked coal mines shall be created within the Unit.</p>	<p>All the internal plant roads have been Black topped / Concrete &amp; cleaning of the roads are being done regularly through 10 nos. of mechanical road sweepers.</p>								





Regular Road repairing also being carried out.









Facilities available for Trucks & Trailers parking.

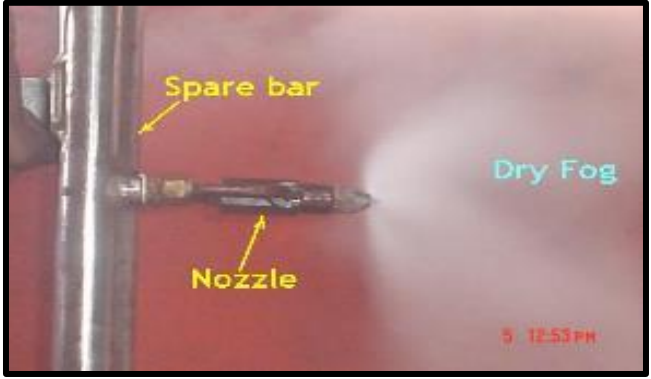



Avenue Plantation Photographs:




		  
<p>VI.</p>	<p>The Standards issued by the Ministry vide G.S.R. No. 277(E) dated 31<sup>st</sup> March, 2012 regarding iron and steel plant shall be followed.</p>	<p>Company is complying the standards of Ministry vide G.S.R. No. 277(E) dated 31st March, 2012.</p>
<p>VII.</p>	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No 826 (E) dated 16<sup>th</sup> November, 2009 shall be followed.</p>	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No 826 (E) dated 16th November, 2009 is being followed.</p> <p>The results are,</p> <ul style="list-style-type: none"> <li>• PM10 values ranging from 48.5 to 80.71 complying GPCB norms of 100 µg/Nm<sup>3</sup>.</li> <li>• PM2.5 values ranging from 7.81 to 44.76 complying GPCB norms of 60 µg/Nm<sup>3</sup>.</li> <li>• SO<sub>2</sub> values ranging from 10.13 to 21.20 complying GPCB norms of 80 µg/Nm<sup>3</sup>.</li> <li>• NO<sub>x</sub> values ranging from 17.56 to 36.30 complying GPCB norms of 80 µg/Nm<sup>3</sup>.</li> </ul>
<p>VIII.</p>	<p>Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30<sup>th</sup> May, 2008 and regularly monitored.</p>	<p>Monthly manual monitoring is being done for fugitive emissions by Third Party (M/s. Pollucon Laboratories Pvt. Ltd.) approved by NABL &amp; Recognized by MoEF&amp;CC and reports are being submitted to GPCB &amp; MoEF&amp;CC.</p>

	<p>Guidelines/ Code of Practice issued by the CPCB shall be followed.</p>	<p>Guidelines/ Code of Practice issued by the CPCB is being followed.</p>
<p>IX.</p>	<p>Vehicular Pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.</p>	<p>Dust emission control measures are in place for controlling pollution happened due to Vehicle Movements &amp; loading and unloading of the raw material and finished product.</p> <p>1) Regular cleaning of dust on roads through mechanical sweepers – 10 Nos.</p>  <p>Regular Road repairing also being carried out.</p>  <p>2) Water sprinkling systems are installed at various locations for controlling of dust emission.</p>  <p>3) Dry fog systems are installed at various locations for controlling of dust emission.</p>

		
<p>X.</p>	<p>'Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.</p>	<ul style="list-style-type: none"> <li>▪ RO unit for Zero Liquid Discharge (ZLD) project is implemented &amp; commissioned on 29/07/2023.</li> <li>▪ As per Environment Clearances granted, AMNS has discharged treated effluent to the Tapi Estuary till 29.07.2023.</li> </ul>
<p>XI.</p>	<p>Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent.</p>	<p>Monthly effluent monitoring is being done by Third Party (M/s. Pollucon Laboratories Pvt. Ltd.) approved by NABL &amp; Recognized by MoEF&amp;CC, and reports are being submitted to GPCB &amp; MoEF&amp;CC.</p> <p>Monthly Marine monitoring of Tapi Estuary is being done by Third Party NABL accredited laboratory to evaluate the marine status of the estuary due to effluent discharge and report of the same is sent to GPCB on monthly basis.</p> <p>Monthly Effluent Monitoring Results are complying the GPCB norms.</p>
<p>XII.</p>	<p>Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid / hazardous waste shall be submitted to the Ministry's Regional Office, SPCB and CPCB.</p>	<p>All the Solid waste &amp; Hazardous waste Handling, Storage, Utilization and disposal is being done in environment friendly manner as per statutory guidelines.</p> <p>Hazardous waste disposal is being done through GPCB approved TSDF Site / Recyclers.</p> <p>Yearly Submission of Hazardous Waste Return (Form 4) are being submitted to GPCB.</p>
<p>XIII.</p>	<p>A time bound action plan shall be submitted to reduce solid waste generated due to the project related activities, its proper utilization and disposal.</p>	<p>All the Solid waste &amp; Hazardous waste Handling, Storage, Utilization and disposal is being done in environment friendly manner as per statutory guidelines.</p> <p>Company is utilizing around 85% of our solid waste through various Reuse / Recycle / TSDF / Sale options. We are also taking various studies / projects with International Technology suppliers / CSIR institutes for reaching 100% utilization target.</p>

<p>XIV.</p>	<p>Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 and Subsequent amendment in 2003 and 2009. All the fly ash shall be provided to cement and brick manufactures for further utilization and Memorandum of Understanding shall be submitted to the Ministry's Regional Office at Chennai</p>	<p>Not Applicable.</p> <p>AMNS India (Hazira) is not currently having Coal based power plant and no generation of Fly Ash, hence requested for deletion of this condition.</p> <p>Same was communicated to Ministry through modification projects EIA report.</p>
<p>XV.</p>	<p>A Risk and Disaster Management Plan shall be prepared and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter.</p>	<p>Risk and Disaster Management Plan submitted to MoEF&amp;CC / GPCB / CPCB through EC Compliance report (Oct'20 to Mar'21) dated 31-05-2021.</p>
<p>XVI.</p>	<p>Green belt shall be developed in at least 33% of the project area by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines.</p>	<p>Green Belt is developed within the complex with native and broad leaved species.</p> <p>Company is in process for implementation of Greenbelt development to achieve the target.</p> 

		
<p>XVII.</p>	<p>At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry’s Regional Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry’s Regional Office.</p>	<p>Project is not being implemented. However, we have undertaken community development activities for nearby villages.</p> <p>Last year CSR Activity details is submitted as Annexure – 1.</p> <p>Enterprise Social Commitment (ESC) action plan status is already submitted to MoEF&amp;CC regional office Gandhinagar.</p>
<p>XVIII.</p>	<p>The proponent shall prepare a detailed CSR plan for every year for the next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A Separate budget head shall be created and the annual capital and revenue expenditure on various activities of the plan shall be submitted as part of the Compliance report to RO. The details of the CSR plan shall also uploaded on the company website and shall also be provided in the Annual Report of the company.</p>	<p>Project is not being implemented. However, we have undertaken community development activities for nearby villages.</p> <p>Last year CSR Activity details is submitted as Annexure – 1.</p>

XIX.	The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/ procedure to being into focus any infringement / deviation / violation of environmental or forest norms/ conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non-compliance/ violation environmental norms to the Board of Directors of the company and/ or stakeholders or shareholders.	<p>Details already submitted in the earlier compliance report of Oct'20 to Mar'21 dated 31-05-2021.</p> <p>We are having a detailed Incident / deviation investigation cum reporting procedure.</p> <p>As per this standard procedure any deviation in Environmental limits, any spillage of chemicals / waste, any violation of legal conditions are being reported to the management immediately and detailed investigation is to be conducted for the root cause and the remedial actions.</p> <p>Monthly compliance certificate is being submitted to Board of Directors from the site.</p>
XX.	The project proponent shall provide for solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly.	Presently the project is under conceptual stage, will be undertaken during project execution.
XXI.	The project proponent shall provide for LED lights in their offices and residential areas.	LED Lights are installed at Plant offices & Township. Now, we are installing LED lights only.
XXII.	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 the project.	<p>The said reconfiguration project was not implemented.</p> <p>For the future projects, we assure to provide all the necessary welfare amenities for the construction workers as per the condition.</p>
<b>General Conditions</b>		
I.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB) and the State Government.	We abide by the stipulations made by the Gujarat Pollution Control Board.
II.	No further, expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	<p>Agreed.</p> <p>Company has received Environment Clearance (EC) for modification project on 02.03.2022.</p>
III.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhopal and SPCB / CPCB once in six months.	<p>Installed Four nos. of Continuous (24*7) Ambient Air Quality Monitoring Stations (CAAQMS) and real-time data connected to SPCB server.</p> <p>Monthly Manual ambient air monitoring is being done by Third Party (M/s. Pollucon Laboratories Pvt. Ltd.) approved by NABL &amp; Recognized by MoEF&amp;CC and reports are being submitted to GPCB &amp; MoEF&amp;CC regularly.</p> <p>The results are,</p> <ul style="list-style-type: none"> <li>• PM10 values ranging from 48.5 to 80.71 complying GPCB norms of 100 µg/Nm<sup>3</sup>.</li> <li>• PM2.5 values ranging from 7.81 to 44.76 complying GPCB norms of 60 µg/Nm<sup>3</sup>.</li> <li>• SO2 values ranging from 10.13 to 21.20</li> </ul>



		<p>complying GPCB norms of 80 µg/Nm<sup>3</sup>.</p> <ul style="list-style-type: none"> <li>• NO<sub>x</sub> values ranging from 17.56 to 36.30 complying GPCB norms of 80 µg/Nm<sup>3</sup>.</li> </ul>
IV.	<p>Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.</p>	<p>Monthly manual effluent monitoring is being done by Third Party (M/s. Pollucon Laboratories Pvt. Ltd.) approved by NABL &amp; Recognized by MoEF&amp;CC, and reports are being submitted to GPCB &amp; MoEF&amp;CC.</p> <p>Monthly manual Marine monitoring of Tapi Estuary is being done by Third Party NABL accredited laboratory to evaluate the marine status of the estuary due to effluent discharge and report of the same is sent to GPCB on monthly basis. Similarly, a six-monthly report is also being sent to MoEF&amp;CC.</p> <p>Monthly Effluent Monitoring Results are complying the GPCB norms.</p>
V.	<p>The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>Acoustic hoods, Silencers, Enclosures etc. are already installed at various locations in the plants on all sources of noise generation.</p> <p>Monthly manual noise monitoring is being done by Third Party (M/s. Pollucon Laboratories Pvt. Ltd.) approved by NABL &amp; Recognized by MoEF&amp;CC, and reports are being submitted to GPCB &amp; MoEF&amp;CC.</p> <p>Monthly Noise Monitoring Results are complying the GPCB norms.</p>
VI.	<p>Occupational Health surveillance of the workers shall be done on a regular basis and records maintained as per Factories Act.</p>	<p>Occupational Health Surveillance Program &amp; medical checkup of all workers &amp; employees of company are being carried out and records of the same are maintained.</p> <p>Contractual Worker's &amp; Employee's Medical Checkup working in Hazardous operations – Once in Six months.</p> <p>Contractual Worker's &amp; Employee's Medical Checkup – Once in a year. Pre-employment Medical checkup also carried out.</p>
VII.	<p>The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.</p>	<p>Total 1,94,867 m<sup>3</sup> rain water harvested for the period Apr'23 – Sept'23.</p>



VIII.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.	Project is not being implemented. However, we have undertaken community development activities for nearby villages.  Last year CSR Activity details is submitted as Annexure – 1.								
IX.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhopal. The funds so provided shall not be diverted for any other purpose.	In the ongoing operations, capital Cost spent towards installation of Air & Water pollution control measures is Rs. 557 Crores.  Recurring Cost for operation & maintenance of Pollution control equipment:  <table border="1" data-bbox="862 653 1455 827"> <thead> <tr> <th>Year</th> <th>Recurring Cost (Rs. In Crores)</th> </tr> </thead> <tbody> <tr> <td>2020-21</td> <td>143</td> </tr> <tr> <td>2021-22</td> <td>111</td> </tr> <tr> <td>2022-23</td> <td>178</td> </tr> </tbody> </table> Details already submitted to Ministry office.	Year	Recurring Cost (Rs. In Crores)	2020-21	143	2021-22	111	2022-23	178
Year	Recurring Cost (Rs. In Crores)									
2020-21	143									
2021-22	111									
2022-23	178									
X.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The Clearance letter shall also be put on the website of the company by the proponent.	Clearance letter already published in the leading newspapers in local language and in English. Copy is already submitted to Ministry through previous EC compliance report dated 30-11-2021.  No suggestions/ representations received from any Local body / NGOs while processing the proposal.  Clearance letter already uploaded on the website of the company.								
XI.	The project proponent shall upload the status of compliance of the stipulated environment clearance condition, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF&CC at Bhopal. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Environment clearance condition compliance report including results of monitored data already uploaded on the website of the company.								
XII.	The Project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e mail) to the Regional Office of	We are complying.  Six monthly Environment Clearance Condition compliance report is being sent to MoEF&CC & same data uploaded on to the website of								



	MoEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhopal/ CPCB/ SPCB shall monitor the stipulated conditions.	MoEF&CC regularly.
XIII.	The environmental statement for each financial year ending 31 <sup>st</sup> 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 put on website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEFCC at Bhopal by e mail.	We regularly submit environmental statements in Form V to Gujarat Pollution Control Board.  Annual Statement for 2022-23 submitted to GPCB.
XIV.	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at website of the Ministry of Environment, Forests and Climate Change (MoEFCC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspaper that are widely circulated in the region of which one should be in vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Bhopal.	Details already submitted in the compliance report of Oct'20 to Mar'21 dated 31-05-2021.
XV.	Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Will be complied after commissioning of the project.

Authorized Signatory





**R.S. Sankarasubramanian**  
Head - Environment




**Annexure – D****Compliance Status of Environment Clearance for Modification Project - EC No: EC22A008GJ153411  
File No. J-11011/44/2004-IA II (I) dated 02.03.2022.**


Sr. No.	Conditions	Status
A.	<b>Specific conditions</b>	
i.	The additional water requirement for the proposed modernization i.e., 7489 KLD water requirement for modification project shall be drawn from Tapi River.	Company has permission for Water withdrawal of 45 MGD from Govt. of Gujarat and it will take care of additional water requirement of 7489 KLD.
ii.	Green Belt shall be developed in 222.05 ha with tree density of 2500 trees per ha. (or 1000 trees per acer) all along the periphery of the project site by 31 <sup>st</sup> December, 2022.	From April'22 to till date, additional 1,02,699 trees (40 Ha) have been planted and with this now we are having greenbelt area around 211 Ha. Tree plantation for remaining areas under progress.
iii.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.	Performance test for the Pollution Control Systems carried out in Dec'21 and report submitted to MoEF&CC through our upstream expansion EIA report in Aug'22.  For 2023, Annual performance test through third party MoEF&CC approved agency carried out in Sep'23 & Oct'23.
iv	Sinter cooler heat recovery system for the existing Sinter plant shall be implemented within 3 years from the date of issue of Environment clearance.	Sinter cooler heat recovery system for the existing Sinter plant will be installed by 2025.
v.	Dry Gas cleaning system shall be implemented for the existing Blast furnace within 5 years from the date of issue of Environment clearance.	Dry Gas cleaning system for the existing Blast furnace will be installed by 2027.
vi	The Oil scum and oily waste from CRM shall be sent to registered recyclers for oil recovery and incineration.	Oily scum and Oily waste are being disposed to registered recyclers for oil recovery & incineration and the same will be continued.
vii	CEMS shall be connected to plant control room for process control to keep emissions under control. Interlocking of CEMS shall be in conformity with CPCB directions	CEMS has been connected to plant control rooms. For Interlocking of CEMS, awaiting guidelines from CPCB.
viii.	Hot Rolled Coil (HRC) production shall be done through hot charging minimum 65 % and for billets hot charging shall be minimum 85%. Remaining shall be done through reheat furnace operating on natural gas / Corex gas.	Hot Rolled Coil (HRC) production is being done through hot charging of minimum 65 %. Remaining are being done through reheat furnace operating on natural gas / Corex gas.
ix	Acid Recovery Plant (ARP) and acid fume scrubber in stack emission shall be less than 10 mg / Nm <sup>3</sup> HCl.	Acid Recovery Plant (ARP) and acid fume scrubber norms are complying the norms.
x.	The Oil scum and oily waste from CRM shall be sent to Authorized recycler.	Oily Scum and Oily waste from CRM are being disposed to registered recyclers for oil recovery & incineration and the same will be continued.
xi.	CDQ shall be installed along with a modified wet quenching tower as a standby.	CDQ will be commissioned along with the coke oven battery.
xii.	In SMS plant fume extraction system for all process equipment like converters, LRF shall be independent. Common Fume Extraction System (FES) shall be provided only for roof top emissions.	In SMS plant, independent Fume Extraction System is provided for furnaces and common Fume Extraction System is provided for Rooftop.
xiii.	RO reject from BOD plant of Coke Oven shall not be used for slag quenching. Multi Effect Evaporator (MEE) shall be installed to handle RO reject and the MEE sludge shall be sent to TSDF.	For the complex – except Coke oven area, RO reject is being utilized for slag quenching proposed as part of ZLD. However, for Coke oven, the plant is under construction stage and separate RO unit with dedicated MEE will be arranged.



xiv.	PM emission from all stacks (existing and new) shall be less 30 mg / Nm <sup>3</sup> .	Existing & Proposed stacks will comply the norms of 30 mg / Nm <sup>3</sup> .
xv.	100 % solid waste generated shall be recycled/reused/sold. No dumping is permitted.	Action plan is in place for 100 % solid waste utilization through recycling / reused / sold.  Currently, we are utilizing / recycling / selling around 85% and already supplied our slag to NHA1 & in discussion with Railways to use our slag for road construction, Ballast purpose, etc.
xvi.	A wind barrier of 400 m shall be provided near Sikotar Mata Temple in Hazira Village.	Complied. Company installed the wind barrier with costing around Rs. 5 cr and 400 mt length.  
xvii	Wind barrier at raw material handling yard shall be provided and loading and unloading station shall be closed.	Wind barriers are available for the main storage yards.
xviii.	Zero Liquid Discharge (ZLD) scheme for the entire complex shall be implemented by March,2023.	RO unit for the Zero Liquid Discharge (ZLD) project is commissioned and operational from 29/07/2023.
xix	All plant roads shall be paved and industrial vacuum cleaners shall be provided to clean the roads regularly.	All major plant roads are paved and regular industrial vacuum cleaners are provided for cleaning the roads regularly.  
xx.	All stock piles shall be constructed over impervious soil and garland drains / storm water drains with catch pits to trap run off material shall be constructed.	Garland drains already provided.
xxi.	PP shall carryout extensive rainwater harvesting and recharge as per the action plan submitted in the EIA report.	Company is practicing the Rainwater harvesting regularly. In CY 2023, rain water harvested – 1,94,867 m <sup>3</sup> .
xxii.	Sulphur recovery and ammonia cracker shall be installed in Coke Oven Plant.	Sulphur recovery and ammonia cracker from coke oven gas is considered in the design and will be commissioned along with the coke oven by-product plant.

xxiii.	The recommendations of the approved Site - Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report to the concerned Regional Office of the MoEF & CC.	Wildlife Management plan is already approved by PCCF (Principal Chief Conservator of Forest), Gandhinagar.  Management plan will be implemented as per timeline and Implementation report will be submitted accordingly.
<b>B.</b>	<b>General condition</b>	
<b>I.</b>	<b>Statutory compliance:</b>	
i.	The Environment Clearance (EC) granted to the project / activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount / construe to approvals / consent / permissions etc., required to be obtained or standards / conditions to be followed under any other Acts / Rules / Subordinate legislations, etc., as may be applicable to the project.	Noted
<b>II.</b>	<b>Air quality monitoring and preservation</b>	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Continuous Emission Monitoring System at process stacks already installed and 04 CAAQMS stations installed in the plant premises. Calibration of the analyzers is being done through lab recognized under Environment (Protection) Act, 1986 and NABL accredited laboratory.  In Sept'23, additional 2 CAAQMS systems installed and connected with SPCB servers. Connection with CPCB server under progress.  Additional CEMS installation under progress.
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Fugitive emission monitoring is being carried out in 8 locations every month through Third party NABL accredited laboratory.
iii.	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	For the existing stacks, sampling facility already available as per CPCB guidelines for Manual monitoring of emissions.  For the proposed stacks, sampling facility will be provided as per CPCB guidelines.
iv.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	For the Existing plant, APC system already implemented.  For the proposed units, APC systems will be provided for all the dust generating points.
v.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Leakage detection & mechanized bag cleaning facilities already available for better maintenance of bags.
vi.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Mobile vacuum cleaners are already provided for cleaning the plant roads. Shop floors & roofs are being cleaned regularly. 10 nos. of road sweeping machines operated for effective road cleaning.
vii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	Recycling & reuse measures already implemented. Iron ore fines is being utilized in Sinter plant. FES Micropelletization implemented for Iron Fines (FES dust) & Coal Briquetting implemented for Coal fines.

viii.	The project proponent use leak proof trucks / dumpers carrying coal and other raw materials and cover them with tarpaulin.	Using Leak proof trucks / dumpers for carrying coal and other raw materials and it is covered. 
ix	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).	Spillage collection facilities of coal and coke is considered in the design for the implementation and recycling through conveyor.
x.	Land - based APC system shall be installed to control coke pushing emissions.	Land - based APC system considered in the design for the implementation.
xi.	Monitor CO, HC and O <sub>2</sub> in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	Monitoring system is considered in the design for implementation.
xii.	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	Vapor absorption system for cooling of coke oven gas is considered in design for implementation.
xiii.	Wind shelter fence and chemical spraying shall be provided on the raw material stockpiles.	Wind shelter fence already provided for existing yards.
xiv.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Required ventilation system already provided in the tunnels, motor houses, Oil cellars.
<b>III</b>	<b>Water quality monitoring and preservation</b>	
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 <sup>st</sup> March 2012 ( Integrated iron & Steel ); G.S.R 414 (E) dated 30 <sup>th</sup> May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7 <sup>th</sup> December 2015 (Thermal Power Plants ) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Effluent Quality Monitoring Systems (EQMS) already provided for 03 effluent outlets and connected with GPCB & CPCB server. Calibration of the analyzers are being done through NABL accredited third party laboratory.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post - monsoon) at sufficient numbers of piezometers / sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Ground water quality is monitoring through Third party NABL accredited laboratories every six month.  In addition, Ground water quality monitoring stations increased.

iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Sewage Treatment Plant is already installed for treatment of domestic wastewater.  Further, One modular STP installed at site, another unit under installation.
iv.	Garland drains and collection pits shall be provided for each stock pile to arrest the run off in the event of heavy rains and to check the water pollution due to surface run off.	Garland drains already implemented.
v.	Tyre washing facilities shall be provided at the entrance of the plant gates.	Tyre washing facilities will be provided at the entrance of the plant gates.
vi.	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Water meters already provided at the inlet of unit process. For the proposed plants, inlet water meters will be installed.
<b>IV.</b>	<b>Noise monitoring and prevention</b>	
i.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six -monthly compliance report.	Ambient noise monitoring is being carried out through Third party NABL accredited laboratory every month and report is being submitted to Regional Office every six month.  Same Practice will be continued for the proposed plants.
<b>V.</b>	<b>Energy Conservation measures</b>	
i.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	Covered torpedo ladle has been considered in Expansion.
ii.	Restrict Gas flaring to < 1 %.	Flaring is minimum due to common gas network, mixture, and connectivity with power plant.
iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	In this proposed modification project, we proposed solar rooftop facility for 16.75 MW and will be commissioned by 2024.
iv	Provide LED lights in their offices and residential areas.	100% completed for existing offices and residential areas. For expansion, LED illumination system has been considered for all the areas.
v.	Ensure installation of regenerative / recuperative type burners on all reheating furnaces.	In existing plant, efficient recuperators have been installed. For expansion, efficient burners will be installed.
<b>VI.</b>	<b>Waste management</b>	
i.	Oil Collection pits shall be provided in oil cellars to collect and reuse / recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	Oil Collection pits are available to collect and reuse / recycle spilled oil & Oil collection trays also available at all locations.  
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Biogas plant already constructed for converting kitchen waste into biogas.

<b>VII.</b>	<b>Green Belt</b>	
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the Programme for reduction of the same including carbon sequestration by trees.	GHG Emissions inventory already prepared for the plant and submitted to ministry through expansion EIA report in Aug'2022.
<b>VIII</b>	<b>Public hearing and Human health issues</b>	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan cum Disaster Management plan already prepared and submitted to MoEF&CC / GPCB / CPCB through EC Compliance report (Oct'20 to Mar'21) on 31-05-2021.
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	For the Existing plant, Heat stress analysis already conducted for high temperature work zone and PPEs are provided as per the norms. Same practice will be continued for the proposed plants.
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Health Surveillance of workers are done on regular basis and records are maintained. Same practice will be continued for the proposed plants.
<b>IX.</b>	<b>Environment Management</b>	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65 / 2017 - IA.III dated 30/09/2020.	Three years action plan already prepared and submitted to MoEF&CC as per OM dated 30/09/2020 through EIA report in Feb'2022.
ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/ violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholder's / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six - monthly report.	Company having a detailed Incident / deviation investigation cum reporting procedure. As per this standard procedure any deviation in Environmental limits, any spillage of chemicals / waste, any violation of legal conditions are being reported to the management immediately and detailed investigation is to be conducted for the root cause and the remedial actions. Monthly compliance certificate is being submitted to Board of Directors from the site.
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Separate Environmental Cell already available under control of Senior Executive.
<b>X.</b>	<b>Miscellaneous</b>	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied the condition.  EC received on 02/03/2022 and Company has made an advertisement for grant of EC in two newspaper Indian Express (English) & Gujarat Mitra (vernacular language) on 08/03/2022.  Company has already uploaded the EC on the company website.  Details of EC advertisement and EC upload on company website submitted on 30.11.2022 vide half yearly compliance report Apr'22 – Sep'22.

ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copies of the Environmental clearance already submitted to Gujarat Pollution control Board, Surat Division & HO Gandhinagar. EC clearance also submitted to Hazira Gram Panchayat and Hazira Notified Industrial area office.  Details of Environment Clearance submitted to government, local bodies and relevant authorities, submitted on 30.11.2022 vide half yearly compliance report Apr'22 – Sep'22.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half - yearly basis.	EC conditions compliance reports already uploaded on the website of the company.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Ambient and Stack emission are being monitored regularly and results are shown on the display board installed outside the main gate of the company.
v.	The project proponent shall submit six - monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Regularly submitting the six monthly report on the status of the compliance of the stipulated environmental conditions to MoEF&CC.
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Environment Statement Form-V is regularly submitted to GPCB office and MoEF&CC.  Annual Statement for 2022-23 submitted to GPCB.
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Financial closure is not applicable for this project as funding is arranged internally and project activities has commenced from 15-03-2022.
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA / EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Company will comply.
ix.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF & CC).	Company will comply.
x.	Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
xi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
xiii.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted and Full support will be extended to the RO office.



xiv.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
7.	This issues with the approval of the Competent Authority.	Noted

Authorized Signatory



**R.S. Sankarasubramanian**  
Head - Environment



**Annexure – E****Compliance Status of Environment Clearance for Upstream Expansion Project - EC No: EC22A008GJ141988 File No. J-11011/44/2004-IA II (I) & J-11011/381/20014-IAI dated 03.10.2022.**

Sr. No.	Conditions	Status
A.	<b>Specific conditions</b>	
(i)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project. Project proponent shall abide by all the orders and judicial pronouncements, made from time to time, passed by Hon'ble Court.	Agreed
(ii)	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Agreed.
(iii)	The PP shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Company will comply.
(iv)	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Technologies with low carbon footprint are considered in the design and will be commissioned along with the plant. The implementation report will be submitted before commissioning.
(v)	Project Proponent shall strictly comply with the conditions observed as not complied / partially complied by the IRO, MoEF&CC in the CCR as per the submitted action plan and timelines and compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	All the pending compliances mentioned in IRO, Gandhinagar CCR is complied now.
(vi)	No construction activity/infringement will take place in the flood plain of the Tapi river situated in the vicinity of the project site.	Agreed and no construction proposed in the Tapi river flood plain area.
(vii)	Tree felling shall be limited to bare minimum. Transplantation shall be carried out to the maximum possible inside the boundary in addition to greenbelt development proposed in consultation to local forest department for suitable technical equipment and expertise. Tree Felling shall only be undertaken after obtaining necessary statutory permission. Compensatory afforestation shall be undertaken as per the directives of the Forest Department.	Tree Transplantation is being carried out at maximum possible inside the plant boundary through expert agency in consultation with local forest department. For the proposed expansion project, the trees to be removed for proposed expansion are not falling under any category of Gujarat tree felling Act for reserved and unreserved trees, we are carrying out re-forestation of 1:2 times of removed numbers of trees within our existing premises and nearby villages as part of our CER/CSR activity. Complete report on Tree removal, transplantation & compensatory tree plantation will be submitted after completion of entire activity.



<b>(viii)</b>	Solid waste utilization a. Maximum 90 days of slag storage area shall be permitted inside the plant. b. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. c. PP shall recycle/reuse 100 % solid waste generated in the plant. d. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed. e. Used refractories shall be recycled as far as possible.	Existing plant, action plan is in place for 100 %, solid waste utilization through re-cycling / re-used / sold.  The same practice will be adopted / continued for the proposed expansion project also.
<b>ix)</b>	Sinter Plant a. Sinter cooler waste recovery system to generate process steam or power shall be implemented within 3 years. b. Equipped with MEROS technology to reduce emission of SO <sub>2</sub> , NO <sub>x</sub> and heavy metals.	Sinter cooler waste recovery system will be installed along with the new Sinter Plant.
<b>x)</b>	Coke Oven Plant a. Coke Dry Quenching (CDQ) shall be installed along with a modified wet quenching tower as a standby. b. Coke Oven Gas shall be desulfurized. c. Tar sludge shall be mixed with coal and reused. d. Sulphur recovery and ammonia cracker shall be installed in Coke Oven Plant.	Coke Dry Quenching (CDQ), coke oven gas desulfurization system & Sulphur recovery and ammonia cracker is considered in the design and will be commissioned along with the Coke Oven by-product Plant.
<b>xi)</b>	RO reject from BOD plant of Coke Oven shall not be used for slag quenching. Multi Effect Evaporator (MEE) shall be installed to handle RO reject and the MEE sludge shall be sent to TSDF.	For the complex- except coke oven area, RO Reject will be utilized for slag quenching proposed as part of ZLD. However, for Coke Oven separate RO with dedicated MEE will be installed.
<b>xii)</b>	BF shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.	Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facilities will be implemented for proposed BFs.
<b>xiii)</b>	In SMS plant fume extraction system for all process equipment like converters, LRF shall be independent. Common Fume Extraction System (FES) shall be provided only for roof top emissions.	In SMS plant, independent Fume Extraction System- is provided for furnaces and common Fume Extraction System is provided for roof top.
<b>xiv)</b>	Basic Oxygen Furnace (BOF) gas shall be cleaned dry. Dry type Gas cleaning type with TRT as proposed under the expansion shall be implemented.	Dry type Gas cleaning with TRT will be implemented for proposed Basic Oxygen Furnace (BOF).
<b>xv)</b>	Waste Heat Recovery system for charge preheating shall be included for 65 T Electric Arc Furnace.	Will be implemented.
<b>xvi)</b>	Submerged Arc Furnace and Electric Arc Furnace shall be closed type with 4th hole extraction system.	Existing Electric Arc Furnace is having closed type with 4th hole extraction system.
<b>xvii)</b>	Acid Recovery Plant (ARP) and acid fume scrubber in stack emission shall be less than 10 mg/Nm <sup>3</sup> HCl.	Acid Recovery Plant (ARP) and acid fume scrubber norms are complying the norms.
<b>xviii)</b>	Hot Rolled Coil (HRC) production shall be done through hot charging minimum 65% and for billets hot charging shall be minimum 85%. Remaining shall be done through reheat furnace operating on natural gas/ Corex gas.	Hot Rolled Coil (HRC) production is being done through hot charging of minimum 65%.  Remaining are being done through reheat furnace operating on natural gas/ Corex gas.
<b>xix)</b>	Cold Rolling Mill (CRM), color coating and galvanizing plants shall have CETP to treat and recycle the treated water from CRM complex.	Cold Rolling Mill (CRM) and galvanizing plants are having common ETP for treatment and recycle the treated water from CRM complex. Maximum quantity


	Sludge generated at CRM ETP shall be sent to TSDF.	Sludge generated at CRM ETP is being recycled and re-used in Sinter plant and rest if any will be sent to GPCB approved TSDF. The same practice will continue post expansion also.
xx)	The Oil scum and oily waste from CRM shall be sent to registered recyclers for oil recovery and incineration.	Oily scum and oily waste from CRM are being disposed to registered recyclers for oil recovery & incineration and the same will be continued.
xxi)	Dust emission from Steel Plant stacks shall not exceed 30 mg/Nm <sup>3</sup> .	Existing & proposed stacks will comply the norms of 30 mg/Nm <sup>3</sup> .
xxii)	Water requirement of 237399 m <sup>3</sup> /day for the plant shall be met from Tapi River and Effluent Treatment Plant (9,960 m <sup>3</sup> /day). Ground water abstraction is not permitted.	Company has permission for water withdrawal of 87 MGD from Govt. of Gujarat. Ground water withdrawal is not envisaged for the Hazira complex.
xxiii)	As proposed, Project proponent shall explore the possibility to use 75000 KLD treated sewage water from Surat Municipal Corporation to be pumped from Surat to Hazira. Scheme for treated sewage water pumping shall be implemented as submitted in EIA/EMP Report to reduce the water withdrawal from Tapi River.	Reuse of Surat Municipal corporation (SMC)'s treated sewage in the conceptual stage and it will be finalized in end of 2024. After finalization, we will submit exact details to Ministry.
xxiv)	Zero Liquid Discharge (ZLD) scheme for the entire complex shall be implemented by March, 2023. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic wastewater shall be treated in STP and treated water shall be re-used for greenbelt development and plantation and dust suppression. Sludge disposal plan shall be implemented as submitted in EIA/EMP Report.	Zero Liquid Discharge (ZLD) project for the entire complex is implemented & commissioned on 29/07/2023.  For the proposed expansion also, ZLD will be implemented.  Domestic Waste water will be treated in STP & will be used for Greenbelt development.
xxv)	As submitted, raw material from Adani port to plant shall be transported through 1.3 Km conveyor along the Surat-Hazira state highway.	Recently in Nov'22, AM/NS India has acquired the remaining ESSAR group assets in Hazira – including ESSAR Bulk terminal Ltd (EBTL) , a 25 MTPA cargo handling capacity captive terminal. We are exploring the possibility of augmenting the Cargo handling capacity to 40 MTPA by mechanization of existing berths and the EBTL is having EC for additional Cargo handling capacity. EBTL berths mechanization will replace the ADANI conveyor proposal.
xxvi)	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.	Annual Performance test for the pollution control systems through third party MoEF&CC approved agency is carried out in Sep'23-Oct'23 for the existing units.
xxvii)	Parking area for trucks/dumpers shall be provided within the steel plant. No truck/dumper shall be parked outside the steel plant premises.	Dedicated parking area for trucks/dumpers is provided inside the steel plant complex.
xxviii)	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Electronic waste generated is being disposed to authorized dismantler/ recyclers only.
xxix)	Three tier Green Belt shall be developed in at least 33% in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	From April'22 to till date, additional 1,02,699 trees (40 Ha) with native species have been planted in addition to existing Greenbelt.



<b>xxx)</b>	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	All major roads are paved and regular cleaning with industrial vacuum cleaners.
<b>xxxii)</b>	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have provision of garland drains and catch pits to trap run off material. Action plan submitted in the EIA/EMP Report shall be strictly implemented.	Garland drains already provided in the stock yard and new stock yards also will have the Garland drains.
<b>xxxiii)</b>	No parking on roadside for any vehicle pertaining to the plant. Proper arrangement for vehicle parking within the plant will be made.	Proper vehicle parking arrangement has made within the steel complex.
<b>xxxiii)</b>	Cyclone / disaster management shall be duly implemented as submitted in the EIA report.	Agreed.
<b>xxxiv)</b>	There is sparse mangrove vegetation. As a CER activity, AMNS shall put full efforts in conserving and improving the mangroves in consultation with District Forest Department.	As a CER activity, AMNS has awarded 50 Ha mangrove plantation to M/s. Sarva - Foundation for Inclusive Growth, Ahmedabad a community-based organization (CBO) and Mangrove plantation details is submitted.
<b>xxxv)</b>	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.	Actions initiated for the Action plan as per MoEF&CC O&M dated 30.09.2020 for the public hearing concern.
<b>xxxvi)</b>	As committed, PP shall adopt nearby 8 villages namely Hazira, Junagam, Mora, Damka, Vansva, Rajgari, Suwali & Bhatlai Villages and develop them into model villages in next 5 years.	CSR & CER Activity is being carried out for all the 8 villages & further we will develop them in model village.
<b>xxxvii)</b>	The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	Wildlife Management Plan is already approved by PCCF, Gandhinagar.  Management Plan will be implemented as per timeline and implementation report will be submitted accordingly.
<b>xxxviii)</b>	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <a href="https://cpcb.nic.in/technical-guidelines-3">https://cpcb.nic.in/technical-guidelines-3</a> . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six-monthly compliance report being submitted by the project proponents.	Usage of Single Use Plastic (SUP) items have been banned at AMNS Steel Complex.



<b>xxxix)</b>	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.	Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators are considered in the design and will be commissioned along with the plant.
<b>B.</b>	<b>General Conditions</b>	
<b>I.</b>	<b>Statutory compliance:</b>	
i.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Agreed.
<b>II.</b>	<b>Air quality monitoring and preservation</b>	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Continuous Emission Monitoring Systems at process stacks have been already installed and 04 CAAQMS stations installed in the plant premises. In Sept'23, additional 2 CAAQMS systems installed and connected with SPCB servers. Connection with CPCB server under progress.  CEMS will be installed after commissioning of the proposed expansion.
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Fugitive emission monitoring is being carried out in 08 locations every month through third party NABL accredited laboratory.
iii.	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	For the existing stacks, sampling facilities already available as per CPCB guidelines for manual monitoring of stack emissions. For the proposed stacks, sampling facility will be provided as per CPCB guidelines.
iv.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	For the existing plant, APC System already implemented.  For the proposed units, APC systems will be provided for all the dust generating points / sources.

v.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Leakage detection and mechanized bag cleaning facilities already available for better maintenance of bags.
vi.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Mobile vacuum cleaners are already provided for cleaning the plant roads. Shop floors & roofs are being cleaned regularly. 10 nos of road sweeping machines are operating for effective road cleaning.
vii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	Recycling & reuse measures already implemented. Iron ore fines is being utilized in Sinter plant. FES Micropelletization implemented for Iron Fines (FES dust) & Coal Briquetting implemented for Coal fines.
viii.	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Using Leak proof trucks / dumpers for carrying coal and other raw materials and it is covered. 
ix.	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).	Spillage collection facilities of coal and coke is considered in the design for the implementation and recycling through conveyor.
x.	Land-based APC system shall be installed to control coke pushing emissions.	Land - based APC system considered in the design for the implementation.
xi.	Monitor CO, HC and O2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	Monitoring system is considered in the design for implementation.
xii.	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	Vapor absorption system for cooling of coke oven gas is considered in design for implementation.
xiii.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Wind shelter fence already provided for existing yards.
xiv.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Required ventilation system already provided in the tunnels, motor houses, Oil cellars.
<b>III</b>	<b>Water quality monitoring and preservation</b>	
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Effluent Quality Monitoring Systems (EQMS) already provided for 03 effluent outlets and connected with GPCB & CPCB server. Calibration of the analyzers are being done through NABL accredited third party laboratory.

ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Ground water quality is monitoring through Third party NABL accredited laboratories every six months.  In addition, Ground water quality monitoring stations increased to include adjacent areas.
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Sewage Treatment Plant is already installed for treatment of domestic wastewater.  Further, a new sewage treatment plant will be installed for the expanded area.
iv.	Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.	Garland drains already implemented and will be continued for expansion area also.
v.	Tyre washing facilities shall be provided at the entrance of the plant gates.	Tyre washing facilities will be provided at the entrance of the plant gates.
vi.	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Water meters already provided at the inlet of unit process. For the proposed plants, inlet water meters will be installed.
<b>IV.</b>	<b>Noise monitoring and prevention</b>	
i.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Ambient noise monitoring is being carried out through Third party NABL accredited laboratory every month and report is being submitted to Regional Office every six month. Same Practice will be continued for the proposed plants.
<b>V.</b>	<b>Energy Conservation measures</b>	
i.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	Covered torpedo ladle has been considered in this Expansion.
ii.	Restrict Gas flaring to < 1%.	Flaring is minimum due to common gas network, mixture, and connectivity with power plant.
iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, streetlights, parking around project area and maintain the same regularly;	In the modification project, we proposed solar rooftop facility for 16.75 MW and will be commissioned by 2024.
iv.	Provide LED lights in their offices and residential areas.	100% completed for existing offices and residential areas. For expansion, LED illumination system has been considered for all the areas.
v.	Ensure installation of regenerative/recuperative type burners on all reheating furnaces.	In existing plant, efficient recuperators have been installed. For expansion, efficient burners will be installed.
<b>VI.</b>	<b>Waste management</b>	
i.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	Oil Collection pits are available to collect and reuse / recycle spilled oil & Oil collection trays also available at all locations.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Biogas plant already constructed for converting kitchen waste into biogas.
<b>VII.</b>	<b>Green Belt</b>	



i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	GHG Emissions inventory already prepared for the plant and submitted to ministry through this expansion EIA report in Aug'2022.
ii.	Project proponent shall submit a study report within six months on Decarbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.	Study report on Decarbonization program submitted to ministry through this expansion EIA report in Aug'2022.
<b>VIII</b>	<b>Public hearing and Human health issues</b>	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan cum Disaster Management plan for the existing plant already prepared and submitted to MoEF&CC.
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	For the Existing plant, Heat stress analysis already conducted for high temperature work zone and PPEs are provided as per the norms. Same practice will be continued for the proposed plants.
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Health Surveillance of workers are done on regular basis and records are maintained. Same practice will be continued for the proposed plants.
iv.	The Unit is using quartzite, coal and coke. Therefore, the industry is recommended to measure silica and coal dust exposures using personal and area air samplers in process plants and to be compared with Permissible exposure limits as per Indian Factories Act, 1948. Report to be submitted to the IRO, MoEF&CC.	Company will comply.
<b>IX.</b>	<b>Environment Management</b>	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.	Five years action plan already prepared and submitted to MoEF&CC as per OM dated 30/09/2020 through EIA report in Aug'22.
ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Company having a detailed Incident / deviation investigation cum reporting procedure. As per this standard procedure any deviation in Environmental limits, any spillage of chemicals / waste, any violation of legal conditions are being reported to the management immediately and detailed investigation is to be conducted for the root cause and the remedial actions. Monthly compliance certificate is being submitted to Board of Directors from the site.
iii.	A separate Environmental Cell both at the project	Separate Environmental Cell already available under the

	and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	control of Senior Executive.
<b>X.</b>	<b>Miscellaneous</b>	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied the condition.  EC received on 03.10.2022 and Company has made an advertisement for grant of EC in two newspaper Indian Express (English) & Gujarat Mitra (vernacular language) on 08.10.2022.  Company has already uploaded the EC on the company website.
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copies of the Environmental clearance already submitted to Gujarat Pollution control Board. EC clearance also submitted to Hazira Gram Panchayat and Hazira Notified Industrial area office.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	EC conditions compliance reports already uploaded on the website of the company.
iv.	The project proponent shall monitor the criteria pollutants level namely, PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Ambient and Stack emission are being monitored regularly and results are shown on the display board installed outside the main gate of the company.
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Regularly submitting the six-monthly report on the status of the compliance of the stipulated environmental conditions to MoEF&CC.
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Environment Statement Form-V is regularly submitted to GPCB office and MoEF&CC.  Annual Statement for 2022-23 submitted to GPCB.
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Company will comply.
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Company will comply.
ix.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the	Company will comply.



	EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Company will comply.
xi.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted and full support will be extended to the RO office.
xv.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
xvi.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted.
xvii.	This issues with the approval of the Competent Authority.	Noted.

Authorized Signatory



**R.S. Sankarasubramanian**  
Head - Environment



# AM/NS INDIA

ArcelorMittal Nippon Steel India

ArcelorMittal Nippon Steel India Limited  
**Corporate Social Responsibility**  
Six Month Progress Report- CY 2023



**Contents**

CSR Highlights ..... 2-3

1. HEALTH- AAROGYA ..... 4-14

2. EDUCATION ..... 15-24

3. LIVELIHOOD AND SKILL DEVELOPMENT ..... 24-26

4. INFRASTRUCTURE DEVELOPMENT ..... 27-28

5. PROMOTION OF SPORTS AND CULTURE ..... 28-29

6. OTHER INITIATIVES ..... 30-35

7. BENEFICIARIES COVERAGE ..... 36-36



## CSR Highlights

### Health

#### Project- Aarogya

- 10994 patients were treated and sensitized by Mobile Medical Unit.
- 4446 patients benefitted from the Hemophilia Care Centre at New Civil Hospital, Surat.
- 1059 students from the nearby villages are taken benefits of School Health Checkup Camps.
- 656 Adolescent girls and women participated in Menstrual Health and Hygiene awareness Sessions conducted in different villages.
- 421 patients taken benefits in General Health Checkup Camps with free consultation and medicine.
- Health Awareness Session on Vaccination.
- Health Awareness Session on Health and Hygiene.
- Awareness Program on Osteoporosis disease.
- Millets cooking competition in collaboration with District Administration, Surat.
- 440 patients treated in Special Eye Check-up Camp for Students.
- Awareness Program on Joint pain.
- World Breastfeeding Week awareness program.
- National Nutrition Week Celebration.
- 370 patients were treated on World Heart Day observed by Organizing health camp in Hazira.
- Adolescent Growth and Development Awareness Program.
- International Yoga Day Celebration
- Awareness session on Malaria disease.
- Awareness session on Anemia disease.
- Awareness session on Brain Tumor disease.

### Education

#### Project- Padhega Bharat

- Career counselling sessions for students and youths.
- AM/NS India providing continuous support to the Nav-Jagruiti Vidhya Vihar for Education Enhancement with supporting two teachers.
- AM/NS India providing continues support towards the Computer and Digital literacy in villages 92 students as well as youths taking the benefits.
- Career Guidance chart for Students.
- Independence Day celebration program at Hazira village.
- Inter School competition on Evacuation, Patriot song and Easy writing.
- Teachers' Day celebration program at Hazira village.
- AM/NS India develops a Smart Anganwadi Centre in Hazira village.



- Computer Lab Support to the Government School.
- School Toilet Block & Drinking Water Facility at Govt. Primary School.
- School Toilet Block Facility at Govt. Grant-in-aid school.
- Summer Camp closing ceremony at Nav Jagruti Vidhya Vihar School, Hazira.

## **Livelihood and Skill Development**

### **Project- SAFAL**

- Lok Vikas Kendras giving Tailoring Training to the 182 women Trainees.
- Training and Meeting with Self Help Group Members.
- Women Income Generation Program.
- SHG Manufacturing Unit Start-up and Inauguration Program.

## **Water, Environment, and Infrastructure Development**

### **Project Green**

- Reduction of Plastic Usage Awareness Session
- Suvali Beach Cleaning Drive
- Tree plantation at Hazira Village and Navchetan International School, Junagam.
- AM/NS India- Hazira Launches Mangrove plantation in Jambusar, Gujarat.
- Seed collection activity for Mangrove plantation in Jambusar, Gujarat.

### **Project- Trupti**

- Water harvesting Project- Amrit Sarovar Mission.
- Inter Village Road Development Work.
- 30,000 people of Hazira village gained access to drinking.

## **Promotion of Sports and Culture**

### **Project- Udaan**

- National Sports Day Celebration Program
- AMNS India 1<sup>st</sup> Inter High School Volleyball Tournament.



## 1. HEALTH

### Location name; Hazira

#### 1.1 Mobile Medical Units (MMU)

To mitigate the challenge of affordability and accessibility of quality healthcare services AM/NS India is offering preventive and curative healthcare services through Mobile Medical Units. Patients of the nearby 8 Villages get preventive and curative treatments from the Mobile Medical Unit. Month of Apr. to Sep 11296 patients got free of cost doctor's consultation and medicines from MHU at doorstep, in Hazira belt. Patients came with the symptoms of viral fever, cold & cough, typhoid, body ache, diarrhea, tooth pain, acidity, and skin disease. 110 patients were referred to district hospitals for secondary treatment and home visits done for 46 patients.



#### 1.2 AMNS INDIA Hemophilia Care Centre

In due course of transition, this has been again started to be managed by AMNS India since January 2021. Since Hemophilia issues are existent in this region this initiative was taken by the establishment to service people of this region with creating a permanent infrastructure and dedicated specialized team.

It is the only kind of hospital in Gujrat State which treats especially Hemophilia cases as it harms lives due to non-clotting of blood. This hospital is providing health service to the patients across Gujrat and Maharashtra





with daily average patient load of 40-50 nos. Total 4446 Hemophilia patients especially population with low-income segment treated during the Apr to Sep.-2023.

### 1.3 School Health Checkup Camp

AMNS India Hazira organized School Health checkup camp in Government Primary Schools of Mora, Vansva and DLK Shah Sanjivani School, Damka for the school students. A total of 1055 students from the nearby villages are taken benefits of this camp. We provided Free Health checkups and medicine to the needy students also conducted personal Health & Hygiene Care awareness sessions for all students. The main aim behind organizing these health camps in schools is to create awareness among the students and provide them various services like self-care education on health & hygiene, full eye checkups, medical care etc. We conduct the health & eye checkup camps at regular intervals to prevent the students from getting major health disorders.



### 1.4 Menstrual Health & Hygiene Awareness Session

AM/NS India MMU team organized Menstrual Health and Hygiene awareness Sessions in different villages for Adolescent girls and womens. Menstrual health and hygiene interventions can help to protect dignity, build confidence, and strengthen sexual and reproductive health, among adolescents and womens. Menstrual Health and Hygiene Awareness is very important because a lot of girls will grow up without any knowledge about their own menstrual cycles, what is considered normal and what is not. Menstrual taboos are dangerous for women, regarding this MMU team regularly arrange Menstrual Health and Hygiene Awareness sessions for adolescent girls and womens. Total 656 women's and girls' participated in this program.



Half Year (Apr-September 2023)

## 1.5 General Medical Health Check-up Camps

AMNS India supported to the Government of Gujarat Health Department and extended support to organize General Medical Health check-up camp with the help Mobile Medical Unit. We organized General Medical Health checkup camps in Suvali village for the Elder People, women's, children's, and general peoples of the nearby communities. We conducted two general health camps in villages. A total of 440 patients taken benefits from these camps with free consultation and medicine.



## 1.6 Special Eye Check-up Camp for Students

AMNS India organized Special Eye Check-up camp at Vansva village with the help of Mobile Medical Unit and Swami Vivekanand Netra Mandir Hospital. More than 90 people from the village benefited from this Eye check-up camp. We have also provided spectacles to needy patients. A total of 220 patients received spectacles during the camp.



## 1.7 Health Awareness Session on Malaria Diseases

Malaria remains a serious public health problem in India. According to the World Health Organization (WHO), Various interventions have been implemented to control malaria's burden in India. Regarding this AMNS India Hazira's Mobile Medical Unit organized Health Awareness Session on Malaria Diseases in different villages. MBBS doctor of the MMU have been provided the information towards the how to prevent against the malaria diseases. More than 700 peoples of the different villages participated in this event.



## 1.8 Awareness Program on Brain Tumor

AMNS India Hazira MMU was Arrange Awareness Program in Hazira Village on Brain Tumor disease on the day of World Brain Tumor Day. MMU Team gave Information about Brain Tumor Diseases Like what is Brain Tumor, How to Prevent Brain Tumor Etc. Dr. Bhumika gave Brief Information on Brain Tumor. She Talks about Savior Brain Tumor like a Cancerous or Non-Cancerous Mass or growth of abnormal cells in the brain. Tumors can start in the brain, or cancer elsewhere in the body can spread to the brain. She Also Talks there are more than 1 million Cases per Year in India. It Requires a Medical Diagnosis, Lab tests or imaging always required. More than 102 villagers attended the session.



## 1.9 Awareness Session on Anemia Diseases

gAMNS India Hazira MMU was Arrange Awareness Program in Damka Village on Anemia 14-June-2023. An awareness activity on Anemia was conducted in Damka village at Lok Vikas Kendra. Wherein total 38 female have attended the session. Many females were 50+ in age, and all other participants were between 18 to 50 in age. Ms. Jagruti Patel, Coordinator of Lok Vikas Kendra, AM/NS India helped the team to spread the information in the community and gathering of participants. SPO described the MHU services supported by AM/NS, then Dr. Bhumika Surati spoke in detailed about the anemia symptom, effect, and how to treat this disease. All the participants have appreciated the activity as their knowledge on anemia was increased.



## 1.10 World Health Day Celebration

AMNS India Celebrated World Health Day On 7<sup>th</sup> April -2023 at Hazira Village. We organized Multiple Health Check-up camps for villagers like General Health Check-up camp, Eye check-up camp and Dental Check-up with the help of Government Health department and Private Hospitals. In these three different camps more than 370 patients from the nearby villages were treated in these camps and we also provided free medicine and 35nos Eyeglasses to the needy patients. Village Sarpanch, Dy.



Sarpanch, Medical Officer, Government Health Department and his medical and para medical team from Govt. Primary Health Centre- Suvali were presented with other villagers.

## 1.11 International Yoga Day Celebration

AMNS India Hazira celebrated 9th International Yoga Day at Nav Chetan International School at Junagam village with the help of Gujarat State Yoga Board. More than 1000 Students and Villagers of the nearby villages participated in this program and doing Yoga. Village president, Dy. President, School Trustees, Local Village Leaders, School Staffs and CSR team of AMNS India were presented in this program. Yoga played a significant role in maintaining sanity in the lives. Children from all classes also took part in a mass yoga and learnt about the importance of yoga and its positive implications. Students took it a notch higher by performing asanas. School Principal Mr. Hasmukhbhai Patel, who highlighted the importance of yoga in life. He also added that as a school it is our prime responsibility to make children aware about the integration of yoga in our day to day lives and basic yoga postures, pranayama, and meditation. Yoga has become the best way for physical and mental fitness. It has been accepted as the best way to release our negative energies and embrace positivity in life.

AMNS India aims to motivate students to get into the regular practice of doing a fitness regime. Yoga Instructed Mr. Kishan Patel, Mr. Prem Patel, National Gold Medalist in Yoga and Mr. Viraj Patel to conduct a live yoga session, where he performed different asanas and pranayama with information of the asanas.



## 1.12 Health Awareness Session on Vaccination

9AM/NS India Hazira and MMU conducted an Awareness session on Importance of Vaccination in community because Vaccinations are crucial in safeguarding our health and protecting against potentially deadly or crippling diseases. By staying up to date on vaccinations, we not only protect ourselves but also our loved ones, especially the Newborn babies and elderly and those with compromised immune systems. More than 843 peoples participated in this program and taken benefits.



## 1.13 Awareness Program on Health & Hygiene

AMNS India Hazira MMU was conducted Awareness Program on Health & Hygiene at Nav Jagruti Vidhya Vihar School Hazira Village. This programme aims to create awareness on health and hygiene practices among the school children, help motivate them to use and maintain sanitation facilities at schools and their community surroundings, inculcate better hygienic practices and make the children understand the importance of Health & Hygiene. These sessions also cover illnesses caused by medical ignorance. More than 262 students attended the session, and we distributed umbrella to all participants.

## 1.14 Awareness Program on Health & Hygiene

AMNS India Hazira MMU was conducted Awareness Program on Health & Hygiene at Nav Jagruti Vidhya Vihar School Hazira Village. This programme aims to create awareness on health and hygiene practices among the school children, help motivate them to use and maintain sanitation facilities at schools and their community surroundings, inculcate better hygienic practices and make the children understand the importance of Health & Hygiene. These sessions also cover illnesses caused by medical ignorance. More than 262 students attended the session, and we distributed umbrella to all participants.



## 1.15 Awareness Program on Osteoporosis disease

AMNS India Hazira MMU was conducted an awareness session on Osteoporosis disease in different villages because many womens of the Hazira belt having Joint pain problems and Osteoporosis disease. Osteoporosis is a bone disease that develops when bone mineral density and bone mass decreases, or when the structure and strength of bone changes. This can lead to a decrease in bone strength that can increase the risk of fractures (broken bones). All the participants have appreciated the activity as their knowledge on Osteoporosis disease was increased. More than 36 beneficiaries attended the sessions.



## 1.16 Millets cooking competition in collaboration with District Administration, Surat

AM/NS India and ICDS Department, Gujarat jointly organized millets cooking competition at the district level. 62 women from Surat participated in the competition and prepared sweet and different dishes. The competition was open to public and saw a footfall of more than 250 people.

Shri. Ayush Oak, District Magistrate and Collector, Surat, Shri B. K. Vasava, District Development Officer, Surat, Dr. Anil Matoo, Head HR, IR and Admin, AMN/S India, Shri Bhaveshbhai Patel, President, District Panchayat, Surat, Smt. Komalben Thakor, Program Officer, ICDS, Ms. Jasminben Patel, CDPO, Mr. Kiransinh Sindha, Lead CSR, AM/NS India and other government officials and members from district panchayat attended the event. AM/NS India gave away the prizes, certificates, and complimentary millets kit to the winners. Kalavatiben Patel was adjudged the winner, the second position was bagged by Kirtbada Nayak

and Chandrakant Patel was third. Shri. Ayush Oak, District Collector and Shri. B. K. Vasava, District Development Officer appreciated AM/NS India's contribution towards the promotion of millets and gave an appreciation certificate to Dr. Anil Matoo during the event.



Mr. Ayush Oak, District Collector said, "This event was organized by Integrated Child Development Services department of Gujarat as part of the commemoration of International Year of Millets- 2023. Under this initiative, millet cooking competitions are being organized in different blocks of Surat district and today the top performers from different blocks participated in the competition. The intent is to maximize the use of India's traditional agricultural produce millet in the daily diet of the citizens owing to its nutritional, functional, and nutritional properties. The millets are a sustainable crop as these can be produced using less resources as compared to other major popular cereals like rice and wheat."

Congratulating the winners Dr. Anil Matoo said, "AM/NS India is pleased to partner with Government of Gujarat in this event that aims at reviving the traditional food of India that may result in long-term benefits for nutritional wellbeing. Hosting the cooking competitions is an innovative yet simple way to develop knowledge, awareness, and interest of young generations for promotion and incorporation of millets in our daily diets."

## 1.17 Special Eye Check-up Camp

AMNS India organized Special Eye Check-up camp at Hazira & Rajgari villages with the help of Mobile Medical Unit and Swami Vivekanand Netra Mandir Hospital. More than 70 people from the village benefited from this Eye check-up camp. We have also provided spectacles to needy patients. A total of 20 patients received spectacles during the camp.



## 1.18 Awareness Program on Joint pain

Hazira MHU organized Joint Pain Awareness at Rajgari Village. Awareness begins with doctor's speech for giving Basic Information regarding Joint Pain and MHU's Regular Activities. After that Doctor gave Brief Information Regarding Arthritis of Knee and other Joint's Related Pain. Doctor also gave Basic knowledge regarding Joint Pain's Treatment and Therapy. In Joint pain Awareness total 16 beneficiaries are participated in which 14 female beneficiaries and 02 Male beneficiaries are attended the session.



## 1.19 World Breastfeeding Week Celebration

AM/NS India Hazira celebrated World Breastfeeding Week in local community to encourage breastfeeding and improve the health of babies around the nearby villages. From 1 to 7 August-2023, people around the world will observe World Breastfeeding Week. This annual event aims to raise awareness about the importance of breastfeeding and to empower and support mothers who breastfeed.

The themes for World Breastfeeding Week 2023 are "Let's make breastfeeding and work, work!" This year's campaign focuses on promoting practices that can help support workplace-related breastfeeding in different countries. Breastfeeding plays a crucial role in ensuring the proper growth and development of a child.

Our Mobile Medical Unit's Dr. Bhumiben Surati, Social protection Officer Ms. Twinkalben Patel and Pharmacist Ms. Poojaben Patel conducted awareness sessions in 12 anganwadies of the nearby 08 villages. Doctor recommends that babies be exclusively breastfed for the first six months of life, followed by the introduction of nutritionally adequate and safe complementary foods, and with continued breastfeeding up to two years old or beyond.

Different village Sarpanch's, Asha worker & Anganwadi workers, medical staff of Primary Health center, Mr. Kiransinh Sindha Lead CSR, AM/NS India-Hazira and CSR team of AM/NS India were presented during the different awareness sessions. More than 1500 women will take benefits of this awareness session.



Ms. Rinaben Patel, Dy. Sarpnach of Rajgari village said the good thing about breastfeeding is you can lose on some weight as you sit on a chair.” “When milk and love are put together, it is called breastfeeding.” The most nutritious thing for a baby is his mother's feed.



## 1.20 Adolescent Growth and Development Awareness Program

AMNS India organized Adolescent Growth and Development Awareness Program at Mora village with the help of Mobile Medical Unit. In the month of September 2023 Hazira MHU was organized Adolescent Growth and Development Awareness Program at Mora Primary with the objective of to provide accurate knowledge to students about process of growing up, HIV/AIDS and Substance-Abuse. To develop healthy attitudes and responsible behavior towards process of growing up, HIV/AIDS and Substance-Abuse. To enable them to deal with gender stereotypes and prejudices. More than 121 students from the village benefited from this Program.



## 1.21 National Nutrition Week Celebration

AM/NS India Hazira organized National Nutrition Week Celebration program at Mora Village with the collaboration of Government's ICDS Department. The main object of this National Nutrition Week Celebration is to raise awareness about the importance of eating a balanced diet that is rich in nutrients. A healthy diet is essential for good health and development. It can help to prevent diseases, improve mood and energy levels, and boost the immune system. In this program Anganwadi workers presented different Healthy dishes and raise awareness on healthy eating habits.



## 1.22 World Heart Day observed by Organizing health camp in Hazira.

Under its CSR flagship project, Aarogya, Arcelor Mittal Nippon Steel India in partnership with the Government Medical Department, Hazira and Sunshine Global Hospital, Surat organised a general village health camp at Junagam Village on World Heart Day 2023. Along with electrocardiogram (ECG) testing, doctor consultations, and heart disease awareness, the patients were also education on the disease diagnosed and the treatment for management. The camp was attended by Mr. Bhagubhai Patel, Ex-sarpanch of the Junagam village, Mr. R J Patel, Ex- Mamlatdar, Mr. Rameshbhai Patel, Ex-Principal of the Primary school, Mr. Manibhai Lad, Taluka Primary Education Officer, Dr. Dhaval Patel- Medical Officer, PHC Suvali, Mr. Kiransinh Sindha, Lead CSR, AM/NS India, Mr. Satishbhai Patel, Principal of the Nav Chetan Gujarati Medium School. A total of 156 patients were treated and administered free medicines in the camp.



## 2. EDUCATION

**Location name: Hazira**

### 2.1 AM/NS India develops a Smart Anganwadi Centre in Hazira village.

A child-friendly anganwadi center developed by AM/NS India under its corporate social responsibility initiative was inaugurated at Hazira by Dr. Anil Matoo, Head- HR, IR & Admin, AM/NS India along with Mr. Himanshu Barot, Education Inspector, District Education Office and Ms. Jaiminiben Patel, Taluka Development Office, Choryasi.

Called 'Smart Anganwadi Centre', it was inaugurated in presence of Ms. Jasminben, Child Development and Protection Officer, Choryasi, Village President Ms. Madhuben Patel, Deputy Village President Mr. Rohitbhai Patel, Mr. Satishbhai Patel, Taluka Panchayat Member, Choryasi, Mr. Lakshman Iyer, Cluster HR Head, Mr. Kiransinh Sindha Lead CSR of AM/NS India, AM/NS India employees and other villagers.

The entire transformation of the anganwadi centre was taken up in collaboration with District Government under the company's flagship project Padhega Bharat to make it safe, attractive, and conducive for children. The highlight of the centre is the interactive 65 inches Smart Touch Screen enabled with education material for inclusive, interactive, and active learning of the students. The anganwadi now boasts of brightly painted walls on United Nations' concept of Building as Learning Aids, playing material and books for early stimulation and all-round development of the children in their formative years.

Focusing on good health and sanitation installation of water purifier and renovation of kitchen and toilets was also carried out in the center which will benefit underprivileged children in the age group of 3-6 years in Hazira village. 24 anganwadi students were handed over educational kits comprising of water bottles and lunch boxes. Addressing the gathering Dr. Anil Matoo, Head- HR, IR & Admin of AM/NS India said, "In collaboration with the District Government AM/NS India has set-up the Smart Anganwadi for the overall growth and development of these rural children. The renovated facility is now being handed over to the government for utilization and welfare of the children."

Appreciating AM/NS India Ms. Jaiminiben Patel, Taluka Development Office- Choryasi, said, "The efforts of AM/NS India in developing the Smart Anganwadi is highly commendable. This will motivate the anganwadi workers in efficient and effective delivery of the nutrition and child welfare schemes and attract and retain children in the center.





## 2.2 Education Enhancement Support

We are providing continuous support to the Nav-Jagruti Vidhya Vihar for Education Enhancement. School don't have sufficient staff for Education and School students are facing problem in Science, Math's, and English subject regarding this we provided Two special teachers to the school, and they extended their services for Science, Math's and English. Teacher conducting Special coaching and remedial classes for weak students and improve their knowledge on mentioned Subject. A total of 60 students benefited from this support.



## 2.3 Computer Learning Centers

AM/NS India providing continues support towards the Computer and Digital literacy in villages for the School Students, Youths as well as women. Three computer learning centers are regularly giving learning on computer subjects following Hazira, Damka and Vansva Villages. A total of 92+ Boys and Girls along with youths taking regular computer education with this support.



## 2.4 Computer Lab Support to the Government School

AMNS India Hazira Renovated an old classroom of the school and constructed Computer Lab at Government Primary School at Hazira Village. We developed an old unuse classroom as a Computer Lab in the schools. With this support the school now has a good computer lab within the school and students able to get the computer learning. Dr. Anil Matoo, Head- HR, IR and Admin AMNS India inaugurated the Computer Lab along with Dr. Himanshu Barot, Education Inspector, DEO Office- Surat, Ms. Jaiminiben Patel, TDO- Choryasi, School staff and villagers. Now schools can provide computer learning to all students with proper infrastructure. Very Important Education Initiative towards the digital literacy and making digital India by AMNS India. A total of 400 students at the school will take these benefits.



## 2.5 Career counselling sessions for students and youths

To help young people gain knowledge for a smooth transition from school to higher education or work ArcelorMittal Nippon Steel India in Hazira organized career guidance and counselling sessions under its Corporate Social Responsibility flagship project, Padhega Bharat. More than 1,200 adolescents (grades 9 to 12 students) and youths attended these sessions conducted in 6 Government High Schools of Hazira, Junagam, Damka and Ichapore. Interactive sessions and discussions were conducted by expert trainers Jignasha Goswami and Ranjit Mahida from Rishi Education Vocational Private Limited, Mumbai to help students and youths manage their career pathways in a better manner.

The students and youths were informed on the different career pathways available in varied industries such as Agriculture and allied industries, auto components, aviation, banking, biotechnology, education and training, e-commerce, consumer durables, engineering, FMCG, IT, electronics, Metals and Mining, Science and Technology, Textiles etc. The trainers encouraged the students to map their interest and acquire skills to pursue a career in their preferred job roles and industries. The sessions also emphasized building soft skills of communication, critical thinking, leadership, teamwork, and problem solving to help succeed at the workplace. All school principals, teachers, trustees, and parents participated in the sessions. Appreciating AM/NS India's efforts, Mr. Satishbhai Patel, Principal of the Nav Chetan Gujarati Medium School said, "This is the first of its kind initiative organized for the students by AM/NS India. The session was quite an enriching experience for the students to understand their career options based on their skills and interest rather than emulating their peers. They are now aware of the career pathways and the skills necessary to gain the desired job roles."

Dr. Vikas Yadvendu- Head-CSR AMNS India said, "These sessions will help the students and youths understand their learning strengths and weaknesses based on which they will become more capable to set realistic goals and make thoughtful choices while opting for future education or career path."



## 2.6 School Enrolment drive

AMNS India Hazira implemented School Enrollment Drive Project for the year 2023-24 and partnered with the Government of Gujarat under Shala Praveshotsav and Kanya Kelavani Mahotsav to ensure that not a single child of Hazira belt is deprived of Education Under this Initiatives, we are celebrating the School Enrolment with students and parents and providing Educational School Kit to all the children and enrolled in 1st standard, Bal Vatika and Anganwadi. This is not only helped to students to motivate children to come to school but also curtails the financial burden on parents to some extent. This project was benefitted more than 410 students from Twelve Government Primary Schools of 10 Villages in Hazira Cluster.

Shri. Rushibhai Patel, Taluka Panchayat President, Shri Manibhai Lad, Taluka Primary Education Officer, Sarpanches of all villages, school staffs were presented in this program and distributed Educational Kit to all students and motivated them.



## 2.7 AM/NS India organized Summer Camp for Students

AMNS India Hazira organized Summer Camp-2023 in Hazira village for the Children of the nearby villages. where children will develop important life skills for a global world, helping them achieve their future goals. Children will benefit by developing creativity, life skills, good mental & physical health tips and building confidence through a variety of tasks in a futuristic and imaginary context. This will promote critical thinking, communication, and knowledge in the form of language and real-world skills through a task-based learning approach. They also playing different sports games, doing arts and crafts activity, watching motivational stories, and doing many more thing.

Total 169 children of the nearby villages are Participated in this summer camp and AMNS India distributed Notebooks and Prizes to all participated students along with Certificate.

### Benefits of Summer Camp: -

- Stimulate their imagination and creativity to express themselves confidently
- Develop social, personal, and emotional competences as well as skills such as creativity, leadership, critical thinking, and problem solving to support their progress and excel at school. and beyond
- Will become a better writer, storyteller and deliver impactful speeches.
- Understand the significance of technology in daily life and collaborate to brainstorm ideas that have real-life purpose.





## 2.8 School Toilet Block & Drinking Water Facility at Govt. Primary School:-

AMNS India Hazira Renovated the School Toilet Blocks for (Boys & Girls) & Drinking Water Facility at Government Primary School at Hazira Village. School don't have good Toilet block or drinking water facility in the school, so we provided our support towards the quality education and renovated the existing School Toilet Blocks & Drinking Water Facility in the schools for the students use. Dr. Anil Matoo, Head- HR, IR, and Admin AMNS India inaugurated the School Toilet Block & Drinking Water Facility with Dr. Himanshu Barot, Education Inspector, DEO Office- Surat, Ms. Jaiminiben Patel, TDO- Choryasi, School staff and villagers. Now students have avail of the good sanitation & drinking water facilities within the school, especially for girls' students. A total of 400 students at the school will take these benefits.



## 2.9 School Toilet Block Facility at Govt. Grant-in-aid school: -

AMNS India Hazira Renovated the School Toilet Blocks for (Boys & Girls) at Government Grant-in-aid Nav Chetan Vidyalaya School at Junagam Village. School don't have good Toilet block facility in the school for students, so we provided our support towards the quality education and renovated the existing School Toilet Blocks facility in the schools for the students use. A total of 900 students at the school will take these benefits.



## 2.10 Education Enhancement Support

We are providing continuous support to the Nav-Jagruti Vidhya Vihar for Education Enhancement. School don't have sufficient staff for Education and School students are facing problem in Science, Math's, and English subject regarding this we provided Two special teachers to the school, and they extended their services for Science, Math's, and English. Teacher conducting Special coaching. and remedial classes for weak students and improve their knowledge on mentioned Subject. A total of 65 students benefited from this support.



## 2.11 Computer Learning Centers

AM/NS India providing continues support towards the Computer and Digital literacy in villages for the School Students, Youths as well as womens. Three computer learning centers are regularly giving learning on computer subjects following Hazira, Damka and Vansva Villages. A total of 194 Boys and Girls along with youths taking regular computer education with this support.



## 2.12 INDEPENDENCE DAY CELEBRATION PROGRAM

AMNS INDIA Hazira celebrated 77th Independence Day with the School students, Anganwadi children and with community at Nav Jagruti Vidhya Vihar school-Hazira. Various events like the parade, unfurling of flag, patriotic dance, song by the students were organized in the programme. Different competitions like debate, song and quiz were organized at the school and the successful students were rewarded with prizes. AMNS India Hazira also distributed Reference books to the total 65 students of the standard 9th and 10th. Mr. Rohitbhai Patel, Dy. Sarpanch of Hazira village, Mr. Sukhabhai Ahir, Mantri of Hazira Cooperative Milk producer dairy and Trustee of the Kedavani Mandal, Hazira, Mr. Bharatbhai Patel, Ex. Dy. Sarpnach of Hazira village, Mr. Jagubhai Patel, Ex. Principal of Hazira Primary School, Mr. Naresh Gamit Principal of the Nav Jagruti School, Teachers, AMNS CSR team and villagers along with school students participated in the scelebration. 450 students and villagers participated in this event, and we provided refreshment and sweets items during the celebration.”



## 2.13 Inter School competition on Evacuation, Patriot song and Easy writing.

AMNS India Hazira organized Inter School competition on Evacuation, Patriot song and Easy writing on the Independence Day occasion. 5 schools participated in this competition and more than 232 students of the 5 different secondary and Higher secondary schools participated in this competition. Total 9 students selected as a top 3 winner in 3 different competitions. AMNS India distributed prizes to all winners and complementary prize to all the participants.

Mr. Ankit Desai famous book writer and news editor were presented as a judge and guided students.



## 2.14 TEACHERS DAY CELEBRATION PROGRAM

AMNS India Hazira celebrated Teacher's Day at Nav Jagruti Vidyalaya- Hazira. Every year we are celebrating 5th of September month as a Teachers day in all over India. Its aim is to raise awareness about the role of teachers in playing quality education at all levels and to improve the situations of teachers in the world. On this occasion many school students became a teacher for different subjects for the day and teaches to other students in the school. Students became a teacher and got experienced about the teaches role. As a part of Employee Volunteering program our Employee Mr. Achal Patel, Civil Engineer, CMD department also participated in the program and guided students towards the teaching methods and motivated for the same. AMNS India appreciated all the students with the memento and motivated for the good academical performance. We also felicitate all the teachers at the school with other staff. Students participated in this program with great enthusiasm. After participating in this program, many students decided to become teachers in the future and every student enjoying a lot. 75 students participated in this program.



## 3. LIVELIHOOD; AND SKILL DEVELOPMENT

### 3.1 Lok Vikas Kendra- Tailoring Training Centers

The tailoring centers at Hazira, Mora, Junagam, Damka & Rajgari villages of Hazira Belt run with 2 batches every day. 182 women trainees attended the sewing training on daily basis. The girls and women members from Hazira, Damka, Mora and Junagam its neighboring villages are learning tailoring to upskill themselves for socio-economic empowerment. Monthly examination was conducted for the current batch by stitching center instructor. Regular monitoring and evaluation are carried out for the smooth functioning of the center.



## 3.2 Women Empowerment- SHG Training Program

AM/NS India Hazira conducted focused group discussion and after that completed formation of Self-Help Groups and provided Panch-sutra training to the SHG members. We give training in Regular meetings, Regular savings, Regular inter-loaning, timely repayment, and up to date the books of accounts. We extended our support and registered all SHG in the National Rural Livelihood Mission government scheme. We complete SHG formation and provided training to the more than 50 womens of the Hazira & Damka villages.



## 3.3 Women Income Generation Program

AM/NS India Hazira supported rural womens in increasing their Income with the support of necessary training and other requirements. Regarding this, we organized a Mini Shopping fair at AM/NS India Township Premises on Raksha Bandhan Festival. Total four SHGs and 40 womens of nearby Villages came and put their product Stall at township for selling Rakhi Items along with sweet items which are made by SHG Womens. Employees of AMNS India and their families raise support and motivate our community Womens with buying their products.

Earlier we provided marketing, Accounting & selling training to the SHGs and motivated them to sets up a Stall at AMNS India Site. We also extend our support and teach them about the Digital Payment Platform. Google Pay, Phone Pay.... after this training womens were able to get direct payment into the Account.



### 3.4 ArcelorMittal Nippon Steel India sets-up a bag and uniform manufacturing unit in village Damka

AM/NS India inaugurated a bag and uniform manufacturing unit at Damka village of Hazira. Shiv Shakti Sakhi Mandal will run the unit promoted by AM/NS India under its Corporate Social Responsibility flagship project, Daksh. –The manufacturing unit has been set-up in the Lok Vikas Kendra established by AM/NS India and is equipped with industrial sewing machines for production of the various items. Under Daksh, women are encouraged to form Self Help Groups (SHGs) and supported in taking up livelihood opportunities including trainings and input material for establishment of micro enterprises. A capacity building programme has been designed for the SHG women to upskill them to become entrepreneurs enabling them to undertake production process and manage business operations and sales of the produced goods in the local market and industries. This project will impact their management skills and bring financial independence to the women engaged in the project. The women will produce jute bags, school bags, school uniform and boiler suits used in schools and industries respectively. Now soon their training will be started in which every type of training like jute bag, school bag, digital payment banking, school uniform, designer dress and printing etc. will be given to them. All resources and facilities required for this training will be provided by AM/NS. This bag and uniform manufacturing unit will engage 10 women of our group and inspire more women to associate themselves with the livelihood activities. Our group has a saving of Rs.15,000/- since its formation last year. Our group was trained in panch-sutra by AM/NS India and motivated to take up a micro-enterprise activity. Dr. Anil Matoo, Head, Human Resources, Industrial Relations & Administration, AM/NS India, Mr. Tulshibhai Patel, Sarpanch of Damka Village, Mr. Chetanbhai Patel, -District Sports Development Officer Government of Gujarat, Mr. Kiransinh Sindha, Lead CSR, AM/NS India, Panchayat Members along with villagers and SHG women were present- during the event.



## 4. Water and Community Infrastructure Development

Location name: Hazira

### 4.1 Drinking Water Supply

In the nearby villages of Hazira plant, drinking water is being supplied through pipeline on a regular basis. 365 days' water supply of 9.5 lac liters to 19,500 persons ensured in Hazira village. water being received from the Gujrat water supply department is being treated in our facility and then supplied to the village, water is being stored in underground sump located in Gram panchayat premise and lifted to overhead tank for supply in different parts of the village, the operation and maintenance of the sump, supply is being managed by Panchayat.



### 4.2 Water harvesting Project- Amrit Sarovar Mission

We have requested by the District Collector of Surat to develop and construct one Pond at Damka village for water harvesting in village under the Amrit Sarovar Mission. We have completed Pond Deepening work at Damka village in 1 acre Govt. land and constructed pond for the water harvesting. Govt. Officials, Village Sarpanch, Dy. Sarpanch and other villagers were presented for the pond hand over ceremony. More than



3500 farmers of the village will take benefits of this support.

## 4.3 Inter Village Road Development Work

We have provided 9000MT processed slag to the Gram Panchayat of Damka village, ,3000MT to the Gram Panchayat Mora village for the Inter Village Road development work. Approx 400nos of slag Trucks delivered at Damka & Mora villages towards the 3 to 5km road development work. More than 7000 population of the village will take benefits of this support.



## 5. Premotion of Sport & Culture

**Location name: Hazira**

### 5.1 National Sport Day Celebration Program

ArcelorMittal Nippon Steel India- Hazira celebrated National Sport Day with the Government school students and community peoples at Nav Chetan International School- Junagam with the collaboration of Sport Authority of Gujarat. More than 600 students of the 12 government primary schools and 100 villagers are participated in this sport event.

Shri. R.J. Desai, Police Inspector- Ichchapore, Shri. Chetanbhai Patel- District sport officer- Surat, Mr. Kiransinh Sindha, Lead CSR, AMNS India, School principals of the government schools, teachers and villagers were participated in this event.

Total 40 students selected as a winner in different games and rewarded with the prize.



Shri R. J. Desai, Police Inspector quoted- Today on National Sports Day 2023, I wish you lots of happiness, prosperity, and enthusiasm to play the sports and Happy National Sports Day 2023. Gold medals won by athletes do not just contain gold, but they are proof of the hard work and dedication of the winners, and I wish to student to become gold medalist athlete in future.

Shri Chetanbhai Patel- Sport Development Officer- Surat quoted- Life is incomplete without sports, it's the time to refresh our time so play as much as you can." "If you train hard, you'll not only be hard, but you'll be also hard to beat." "If at first, you don't succeed, you are running about average." "You're never a loser until you quit trying.



## 5.2 Inter High School Volleyball Tournament

AMNS India Hazira organized, the 1st Annual Inter School Volleyball Tournament for Boys and Girls at Shri DLK Sanjivani High School, Damka. A total of 20 Teams of Boys and Girls from 05 different Government Grand-in-aid Secondary and Higher Secondary Schools of the Hazira belt participated in the tournament. The dignitaries present on the occasion were Mr. Chetanbhai Patel, District Sport Officer-Surat, Government of Gujarat, Ms. Vasantiben Patel, Vice-president of Taluka Panchayat Choryasi, Mr. Tulsibhai Patel, Dy. Sarpanch of Damka Village, Mr. Kiransinh Sindha, Lead CSR, AMNS India, Dr. Mitesh Parekh, Retired Principal of Nav Jagruti School Hazira, principals of the 05 schools, teachers, villagers, and coaches of high repute. Mr. Zeel Patel and Ms. Kashish Patel were awarded as the best player of the tournament. Both the final matches of Boys & Girls were a nail-biting competition in which the team from Boys team of Sharda Vidhya Mandir School performed exceptionally well and emerged as the winner in boys' side and Sanjivani High School's girls played well and become a winner in girls' side.

Boys Team of Sanjivani High.Boy and Girls Team of Sanjivini Secondary School positioned as a Runners up team. We also distributed Volleyball kits to the all-participant school.



## 6. Environment

### 6.1 Mega Tree Plantation Drive “ Singotar Mata Van Development”

On the Occasion of World Environment Day – 5th June, AMNS, Hazira has organized the Mega Tree Plantation Drive “ Singotar Mata Van Development” at the area opposite to Singotar Mata Temple at village Hazira by the way forward of planting more than 10,000 – 12,000 Trees as per Miyawaki method (Japanese) thereby making a van, as a Tourist attraction in the village for the pilgrims of the temple in the future which will be beneficial to the local community & Environment as a whole. Plantation Inauguration ceremony was carried out on 7th June by plantation of 500 nos. of saplings of Delonix Regia. Event was graced by august presence of chief guests Sh. Anandkumar S Subramani (I.F.S), DCF, Surat & Dr. Jignasa Oza, Regional Officer (RO) - GPCB, Surat.

Sh. Anandkumar, DCF emphasis on the importance of plantation & conservation of coastal belt ecosystem. Mr. Anand Kumar IFS, DCF- Surat appreciated AMNS India’s effort towards the protection of Environment and they are ready to provide support for this type of future Environment related initiatives.

Dr. Jignasa Oza, GPCB RO stressed the importance of Environment for mankind and gave the 5R principle that should be inculcated in our day-to-day life to save and improve the environment.

Dr. Jignasa Oza well noted AMNS India’s effort for the celebration of World Environment Day and recognised Plastic Waste Management Event as well as Nukkad Natak on Plastic usage under the Government Mission life initiatives.

Sarpanch, Dy. Sarpanch, Dy. President of Taluka Panchayat Choryasi block, District & Taluka Panchayat members and Gram panchayat members of various villages along with AMNS Senior leadership and local villagers actively participated in the event. The event was appreciated by all august gathered as AMNS has taken forward step as a CSR initiative for organizing such a mega event towards Environment sustainability.



## 5.2 Plastic Waste Collection Drive @ Hazira

ArcelorMittal Nippon Steel India, Hazira partnered with the Gujarat Pollution Control Board in a joint effort to organize a highly impactful **Plastic Waste Collection Drive** to increase awareness on plastic pollution. The drive witnessed the active participation of school children and local community women who volunteered their time and efforts to make a positive impact on their community and the environment. Volunteers were provided with the necessary equipment such as gloves and biodegradable bags to ensure their safety and facilitate the collection process. The drive took place in Hazira village, where participants ventured into streets of different areas, including residential areas and parks to collect plastic waste. The drive also provided a valuable learning opportunity for the school children. They were able to witness first-hand the impact of plastic waste on the environment and understand the importance of proper waste management.

The drive not only facilitated the proper collection and management of plastic waste but also created a sense of community engagement and environmental awareness.



## 6.3 Reduction of Plastic Usage Awareness Session

AMNS India Hazira has organized Nukkad Natak event on Plastic Waste reduction at Navjagruti Vidhyalaya at Hazira village under Mission LIFE (Lifestyle for Environment) introduced by Hon'ble Prime Minister Narendra Modi at CoP26 in Glasgow as an India-led global mass movement for "mindful and deliberate utilization, instead of mindless and destructive consumption" to protect and preserve the environment.

This event was attended by GPCB Regional officer - Dr. Jignasha Oza, AMNS Environment Head - Mr. Sankara Subramanian, Lead CSR - Mr. Kiransinh Sindha, School Principal - Dr. Mitesh Kumar Parekh, Dy. Sarpanch - Mr. Rohit Patel and school children and their parents. More than 150 Persons attend the event.

Programme conducted with various activities as below:

1. Say No to Plastic – Natak by School Students.
2. Plastic Awareness Speech by School girl.
3. Reduction of Plastic Usage – Natak by School Teachers and Students.

We have distributed Prizes to all the participant students and Event was very insightful and promoted the 3R principal for plastic was reduction and appreciated by all.



## 6.4 Suvali Beach Cleaning Drive

ArcelorMittal Nippon Steel India, Hazira partnered with the Gujarat Pollution Control Board in a joint effort to organize a highly impactful Beach Cleaning activity at Suvali on 01.06.2023. Under the banner of "Mission LIFE", AM/NS India's CSR and Environment team along with the GPCB orchestrated this event, bringing together employees, officials, and local community to make a difference in the local ecosystem.

This event was held in the presence of GPCB Regional officer - Dr. Jignasha Oza, AM/NS Ports Head- Capt. Rituparn Raghuvanshi, AM/NS India Environment Head - Mr. Sankara Subramanian, AM/NS India Hazira

CSR Head - Mr. Kiransinh Sindha, School Principal - Sh. Hasmukh Patel, Navchetan International School and more than 200 volunteers from local community including school children.

The beach cleaning initiative commenced with an inspiring speech by the chief guests present. Sh. Hasmukh Patel shared his thoughts and advised the school children on how they can be instrumental in preserving and protecting the environment. Followed by Capt. Rituparn Raghuvanshi emphasizing on the importance of natural resource conservation and having a disciplined approach towards the environment. Dr. Jignasha Oza then shed light on the detrimental effects of pollution on marine life, ecosystems, and the overall well-being of our communities, inspiring attendees to bring changes in their daily life that will have a positive impact on the environment. She also encouraged everyone to actively participate in the beach cleaning effort.

Armed with biodegradable bags, gloves, and a shared commitment, the volunteers split into smaller groups, covering different sections of the beach up to 2 km stretch. Carefully navigating the shoreline, they collected and properly disposed of various forms of litter that had accumulated over the coast.

AM/NS handed mementos to all the volunteers to express appreciation for their active participation in making the event meaningful and successful.



## 6.5 WORLD ENVIRONMENT DAY CELEBRATION

AM/NS India Hazira celebrated World Environment Day on 5th June 2023 with community under the Project Green as a CSR Initiatives. On this special day AM/NS India Hazira planted Trees in Community and Schools. We have planted more than 550 Tree plants with the villagers in community and 250 Tree planted in schools at Junagam & Hazira Villages. Mr. Dhansukhbhai Patel Sarpanch- Rajgari, Mr. Bhagubhai Patel- Ex. Sarpanch Junagam, Mr. Rohitbhai Patel- Dy. Sarpanch- Hazira, Dr. Dhavalbhai Patel- Medical Officer, PHC Suwali, Villagers, Local Leaders, School staffs, teachers, students, parents and along with AM/NS CSR Team are participated in this occasion and do the tree plantation on this World Environment Day. We also conducted some Environment Awareness sessions in the schools on plastic waste management and organised some arts & crafts activity on best out of waste for the youths.



## 6.7 AM/NS India- Hazira Launches Mangrove plantation in Jambusar, Gujarat

ArcelorMittal Nippon Steel India, Hazira launched Mangrove Plantation initiative in Nada village, Jambusar Taluka, Bharuch, Gujarat under the project Green of the company's Corporate Social Responsibility embarking on a mission to preserve the coastal ecosystems and contribute to carbon reduction, 1.50 lakh mangrove saplings will be planted on 50 hectares of the coastline of Jambusar. The Mangrove plantation was initiated on 5th July 2023 at Nada Village with the plantation of neem and peepal trees in the Nalda village temple premises. Ms. Manisha Ahir, District Forest Officer, Hazira and from AM/NS India Mr. Sarang Mahajan, Head, Environment Health, and Safety, Mr. Sankara Subramaniam, Head Environment, Mr. Kiransinh Sindhya, Lead CSR, Hazira, Mr. Hanshalbhai Thakkar from Environment Department planted the saplings along with local government officials and sarpanch of village Nada and village Asarsa. The event was attended by villagers and panchayat members of nearby villages. The plantation of 1.50 lakh mangrove will be done over a period of 1 year and the company will also undertake maintenance of the plantation to ensure their survival.

Ms. Manisha Ahir, District Forest Officer, said this is an appreciable initiative by AM/NS India towards environment protection which will contribute significantly to the conservation of the aquatic ecosystem. Dr. Vikas Yadvendu, Head CSR, AM/NS India said, AM/NS India is committed for a clean and green environment, and this is one of the climate action projects under CSR. We will actively collaborate with the government and villagers to ensure the success of this initiative in the years to come. The initiative will not

only preserve the coastal eco system but will also enhance livelihood opportunities for the local communities contributing to their socio-economic development.



## 6.8 AM/NS India- Hazira Seed collection for Mangrove plantation in Jambusar, Gujarat

ArcelorMittal Nippon Steel India, Hazira launched Mangrove Plantation initiative in Nada village, Jambusar Taluka, Bharuch, Gujarat under the project Green of the company's Corporate Social Responsibility embarking on a mission to preserve the coastal ecosystems and contribute to carbon reduction, 1.50 lakh mangrove saplings will be planted on 50 hectares of the coastline of Jambusar. The Mangrove plantation was initiated on 5th July 2023 at Nada Village. Now we have started the Seed collection activity for the development of the Nursery with engaging local women and farmers. We are providing livelihood to locals from seed collection and nursery development work.



## 6.9 World Environment Day 2023 Concluding Ceremony

World Environment Day 2023 Concluding Ceremony was celebrated with great enthusiasm and dedication on 01st July 2023 at Utsav Hall. The event witnessed a series of impactful activities and engaging presentations, highlighting our commitment to environmental sustainability. Awards were presented for the winners of drawing competition held at Hazira Nav Jagruti Vidhya Vihar school. Total 72 students participated in this competition and out of these 12 students selected as winners. We have distributed Prizes to all the winner students.



## 7. BENEFICIARIES COVERAGE

Thematic Area	Location	Lives Touched (Apr. to Sep.)
Health	Hazira	19901
Education	Hazira	7802
Livelihood/skill development	Hazira	735
Water, Environment, and Infrastructure Development	Hazira	30000
Youth, Sports and Culture and Others initiative	Hazira	6240
<b>Grand Total</b>		<b>64678</b>



**THANK YOU**