



ENVIRONMENTAL STATEMENT

[Form – V]

Reporting Period: FY 2025 - 26



JSW Steel Limited, Salem Works

Submitted by:
JSW Steel Limited., Salem Works,
Pottaneri (P.O), Mecheri,
Mettur-(Tk), Salem(Dt)
Tamil Nadu, India, 636453

FORM-V

(Rule 14 of The Environment Protection,1986)

Environmental Statement for the financial year ending on 31st March 2026

PART-A

1	Name and address of the owner, occupier of the industry Operation or process	Mr. S M Kumar Senior Vice President, Plant Head JSW Steel Limited, Salem Works Pottaneri & M. Kalipatti Villages, Mettur Taluk, Salem District – 636 453
2	Industry category - Primary	Ultra Red – Large
3	Production Capacity	Steel Products: 1150000 Pig Iron : 300000 (Intermediate products)
4	Year of establishment	1996, Expansion on 2007, 2017 & 2020 (7iia)
5	Date of the last Environmental Statement submitted.	29.09.2025

Production details against the Consented quantity

Sl. No.	Description	Unit	Consented Quantity	Actual Quantity
Product details				
1	Steel production (Mild Steel, Carbon Steel, Alloy Steel and Special Steel) Products (Billets, Blooms, Round bars, Round Corner Square, Flats, Coils, Bars & Rods, Hexagon, Annealed, Pickled, Peeled & Ground products and Steel Ball)	MT/Year	1150000	1098261
By product details				
1	Ferrous Sulfate	MT/Year	1200	450
2	Liquid Oxygen for sale	MT/Year	15000	687
3	Liquid Nitrogen for sale	MT/Year	2000	656
4	Liquid Argon for sale	MT/Year	8000	1917
5	Paver block by using Steel Making Shop slag	MT/Year	50000	4070
6	Crushed slag (Steel Making Shop Slag)*	MT/Year	226750	173103
7	Ready -Mix concrete	MT/Year	82500	20847
8	Ground Granulated Blast Furnace Slag (GGBFS)	MT/Year	800000	658176
Intermediate product details				
1	Pig Iron Production	MT/Year	300000	12719

* After recovery of IBM (Iron bearing material) and internal use

PART - B

Water and Raw Material Consumption:

1. Water consumption in m³/d @ 365 days

- 1.Process : 1598 m³/day
- 2.Cooling : 6971 m³/day
- 3.Domestic : 1087 m³/day (Including gardening)

Sl. No.	Name of Products	Specific Water consumption per unit of products	
		FY 2024-2025	FY 2025-2026
1	Pig Iron (m ³ /TCS)	0.62	0.14
2	Steel products (m ³ /TCS)	2.15	2.04**

(**Calculation as per PM trophy methodology)

2. Raw material consumption and production

Sl. No.	Name of raw materials	Name of Products	Consumption of Raw materials(TPA)	
			FY2024 – 25	FY2025 – 26
I	Unit : Sinter Plant		1167766	1125861
1	Iron Ore Fines	Sinter	301799	299908
2	Coke Fines		45117	41587
3	Lime Stone Fines		150284	146810
4	Dolomite Fines		53892	63276
5	Lime Powder		56846	54523
6	Filter Cake (BF & EOF Sludge)		24749	27780
7	Dust Catcher Fines		10849	2942
II	Unit : Coke Oven Plant		470804	479193
1	Coal	Coke	673291	683500
III	Unit : Blast Furnace		1038875	1063585
1	Iron Ore	Hot Metal	682162	722567
2	Coke (hard coke)		429881	431957
3	PCI Coal		142983	137500
4	Nut Coke		10035	19091
5	Lime Stone		419	1164
6	Quartzite		3499	3084
7	Dunite		3632	26940
8	Dolomite		13913	15508
9	Sinter including fines		1165693	1131158
10	Pellet		0	0
11	EOF Slag		0	0
12	Small Sinter		0	0
13	Mn Ore		0	1015
14	Pyroxinite		16587	0
IV	Unit : Steel Melting Shop		1073347	1098261
1	Hot Metal from BF	Billets/Blooms	1019694	1030745
2	Pig Iron		2275	12712
3	Iron Skull & Steel Scrap and Skull (includes purchased)		212600	211782
4	FeMn		2932	3218
5	FeSi		1976	1885
6	Ferro Mo		578	627
7	Ferro – Cr		8316	8961

8	Ferro Ni		499	568
9	Burnt Lime		65890	70608
10	Dolomite		11988	10833
11	Iron Ore		30323	31752
12	FeSiMn		12057	11936
13	Sinter		12	0
V	Mills			
	Bar & Rod Mill	BRM Products	461325	4,90,503
	Blooming Mill	BLM Products	386215	4,20,088
VI	Pickling and Annealing	Pickled Products	51880	44,058
VII	Peeled and ground	Peeled Products	3596	5441
VIII	Steel Ball	Steel Ball	28265	25728

PART C
POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT
(Parameter as specified in the consent issued)

(a) Water Environment:

i) Sewage Treatment Plant (STP) @ plant

Pollutants discharged due to the treated sewage of Plant STP

Sl. No.	Pollutants	Quantity of Pollutants discharged (Kg/day)	Concentration of Pollutants discharged (mg/l)	Percentage of variation from prescribed standards with reasons
Pollutants discharged due to the treated sewage of Plant STP				
1	pH	-	7.55	Treated water quality parameters are within the prescribed standards by TNPCB.
2	TSS	0.54	9.35	
3	BOD 5 days @20°C	0.30	5.20	

ii) Sewage Treatment plant (STP) @Township

Pollutants discharged by the treated sewage of Township STP

Sl. No.	Pollutants	Quantity of Pollutants discharged (Kg/day)	Concentration of Pollutants discharged (mg/l)	Percentage of variation from prescribed standards with reasons
Pollutants discharged by the treated sewage of Township STP				
1	pH	—	7.48	Treated water quality parameters are within the prescribed standards by TNPCB.
2	TSS	0.27	10.17	
3	BOD 5 days @20°C	0.12	4.56	

Sewage generated is being treated in dedicated Sewage Treatment Plants, and the treated water is reused for gardening within the plant premises as well as for secondary cooling in the Blast Furnace.

(b) Air Environment

Details of the Stack Emission from the Plant

The average stack emission details for the year 2025–26 are provided below.

Sl. No.	Pollutants prescribed	Prescribed the Limits	Quantity of pollution discharged (kg/day)	Conc. of pollution in discharged (mg/Nm ³)	% of variation from Prescribed Standards with reasons
1	SPM	As per MoEF&CC notification 2012 for Iron & Steel plant	4424	67	Air parameters are within the prescribed standards by TNPCB
2	SO ₂		3438	119.6	
3	NO _x		2857	97.8	

**PART- D
HAZARDOUS WASTES (Generation)**

As specified under Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016.

(a) From process

Sl. No.	Haz. Waste Category	Hazardous Wastes generated	Authorization Qty. as per HWA (MT/Annum)	Total Quantity (MT)	
				FY 2024-25	FY 2025-26
1	3.3	Sludge and filters contaminated with oil	1.5	0	0
2	5.1	Used / Spent oil	70.0	62.86	54.62
3	5.2	Wastes / Residues containing oil (Used Grease)	25.0	16.94	17.50
4	5.2	Waste / Residues containing oil (Oil Soaked Cotton Waste)	40.0	38.40	34.21
5	33.1	Discarded containers / Barrels / Liners contaminated with hazardous waste / Chemicals	30.0	17.38	12.34
6	12.5	Phosphate Sludge	100.0	Nil	Nil
7	35.3	Chemical Sludge from wastewater treatment	700.0	50.61	68.73
8	35.3	Chemical Sludge from wastewater treatment (ATFD salt)	600.0	22.22	34.82

(b) From Air Pollution Control Facilities

No Hazardous waste generated from APC measures.

Disposal quantity under the Batteries Waste Management Rules, 2022

Sl. No.	Battery Waste disposal	Total Quantity (MT) Disposal	
		FY 2024 – 25	FY 2025 – 26
1	Lead and lead compounds (Used Battery)	12.72	15.17

PART – E
SOLID WASTE (Generation - on dry basis)

Sl. No.	Solid Wastes	Total Quantity (MT)	
		FY 2024 – 25	FY 2025–26
a.	From Process		
i	BF Slag (Granulated - dry)	402302	406929
ii	SMS Slag	235624	240834
iii	Mill Scales	16767	16954
b.	From Pollution Control Facility		
i	Dust catcher fines	26148	30261
ii	Filter cake (BF & EOF)	38286	42742
iii	STP Sludge	37	38
c.	Quantity of recycled or re-utilized within the plant		
i	BF Granulated Slag	418	449656
ii	Dust Catcher fines	17938	10312
iii	Filter cake (BF & EOF)	23143	24873
iv	Steel scrap and skull from SMS slag	4757	7587
v	Crushed SMS Slag (0 -10 mm, >30 mm)	42368	16876
vi	Mill Scale	14656	17846
vii	STP Sludge	37	38
d.	Sold/Disposed		
i	BF Granulated Slag	461467	10229
ii	Crushed SMS slag (0 to 140 mm)	130425	117555
iii	Dust Catcher fines	29654	41700
e.	Disposed for land filling		
	Nil		

PART – F

Please specify the characteristics (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

TPA- Tonnes per Annum

Sl. No.	Description of the Waste	Characteristics	Total Utilization Quantity (TPA)	Method of Disposal
Non Hazardous Waste				
1	Blast Furnace Slag	Non Hazardous	459885	Internal usage for GGBFS production.
2	Dust catcher fines	Non Hazardous	52012	Reused in sinter plant and portion sold
3	Filter Cake BF & EOF	Non Hazardous	24873	Re-used in Sinter plant
4	Steel Scrap	Non Hazardous	6331	Re-used in SMS
5	SMS Slag	Non Hazardous	142018	Sold to cement industries and internal use in Sinter Plant, Paver Blocks making
6	Mill Scale	Non Hazardous	17846	Re-used in Sinter Plant
Hazardous Wastes				
7	3.3. Sludge and filters contaminated with oil (Furnace oil cleaning sludge once in 5 years)	Hazardous	0	Generation, Collection, Storage, Send to GGEPIPL, Ranipet for preprocessing (Utilizable)
8	5.1. Used/Spent oil (Litres/Year)	Hazardous	63.98	Generation, Collection, Storage, Send to TNPCB Authorized recycler for recycling (Recyclable)
9	5.2 Waste / Residues containing oil (Oil soaked cotton waste)	Hazardous	33.54	Generation, Collection, Storage, Send to M/s. Sandhiya Enviro Tech System Villupuram for preprocessing (Utilizable)
10	5.2. Waste / Residues containing oil (Used Grease)	Hazardous	20.26	Generation, Collection, Storage, Send to GGEPIPL, Ranipet for preprocessing (Utilizable)
11	12.5.Phosphate sludge	Hazardous	0	Generation, Collection, Storage, Send to GGEPIPL, Ranipet for preprocessing (Utilizable)
12	33.1. Discarded containers / Barrels / Liners contaminated with hazardous waste / Chemicals	Hazardous	16.23	Generation, Collection, Storage, Send to M/s. Sandhiya Enviro Tech System Villupuram for preprocessing. (Utilizable)
13	33.5. Chemical Sludge from waste water treatment	Hazardous	68.74	Generation, Collection, Storage, Send to GGEPIPL, Ranipet for preprocessing (Utilizable)
14	33.5. Chemical Sludge from waste water treatment (ATFD salt)	Hazardous	0	Generation, Collection, Storage, with in the premises

PART- G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production

We have implemented an Integrated Management System (IMS) integrating Quality Management System (ISO 9001), Environmental Management System (ISO 14001) and Occupational Health & Safety Management System (ISO 45001). In addition, the plant has recently achieved ResponsibleSteel™ Site Certification, reinforcing its commitment towards responsible production, resource efficiency, environmental stewardship, continual improvement and sustainable development.

As part of the IMS and ResponsibleSteel framework, the plant continuously identifies opportunities for pollution prevention, resource conservation, energy efficiency, water conservation, waste minimization, beneficial utilization of by-products and process optimization. The implementation of these measures has resulted in conservation of natural resources, reduction in environmental impacts and improved operational efficiency, with corresponding benefits towards optimization of the cost of production.

Sl. No.	Pollution Control / Sustainability Measures	Impact on Conservation of Natural Resources	Impact on Cost of Production
1	Adopted preheated-air ladle preheating burners in SMS.	✚ Reduction in LNG consumption by 200 MMBtu/month.	Reduced LNG consumption results in fuel cost savings.
2	Rainwater Harvesting & Reuse	✚ The overall rainwater consumption during FY 2025-26 was approximately 93,999 m ³ .	- Cut freshwater pumping cost (16 km from Cauvery); secured process water availability - This initiative aligns with our commitment towards United Nations SDG 6 (Clean Water and Sanitation) and SDG 12 (Responsible Consumption and Production). Further, by reducing dependence on energy-intensive freshwater extraction and treatment processes, the initiative also supports SDG 13 (Climate Action) through the reduction of greenhouse gas (GHG) emissions.
3	Increased biochar usage in Pulverized Coal Injection in Blast Furnace.	✚ GHG emissions reduced by 4,090 tCO₂ ✚ Substitution of fossil-based PCI coal with biochar conserves non-renewable coal resources and promotes renewable biomass utilization.	Reduction in PCI coal consumption provides potential fuel cost savings.
4	Installing temperature-cum-flow sensors for heat load optimization / online heat flux monitoring	✚ Reduced Blast Furnace fuel rate by 2 kg/THM ✚ Achieving energy savings of 0.017 Gcal/TCS	Reduction in fuel consumption results in direct fuel cost savings
5	Fugitive Emission Control – RMHS & Conveyor	✚ Enclosures, dedusting & localized systems reduced fugitive dust ✚ Captured ~15 kg/day dust and reused in Sinter Plant	Better workplace environment; resource recovery; lower environmental risk
6	Waste Utilization – SMS Slag	✚ Collaboration with CSIR-CRRI for usage of EOF slag for road	Project will save natural resources

		making	used in the road making
7	Greenery Development (91 ha; ~34% coverage) & Plantation of 6040 saplings (outside plant)	 Enhanced carbon sequestration,  biodiversity support, ambient air quality improvement	Ecosystem services; community goodwill
8	Biodiversity Initiatives - Invasive Species removal	 Supports native biodiversity, improves ecological balance and strengthens the greenbelt ecosystem.	Indirect positive impact through improved greenbelt sustainability.

Sustainability KPI Performance

At JSW Salem Works, sustainability performance is systematically monitored and evaluated through defined Key Performance Indicators (KPIs) aligned with the organization's environmental and operational objectives. The FY 2025–26 performance against these sustainability KPIs is presented below.

The key focus areas include:

- GHG Emissions** – Monitoring and reducing CO₂ and other greenhouse gas emissions arising from plant operations through energy-efficiency and decarbonization initiatives.
- Energy Consumption** – Monitoring specific energy consumption and implementing measures to optimize energy efficiency across various processes, thereby reducing resource consumption and environmental impact.
- Specific Water Consumption** – Reducing freshwater consumption through water conservation, recycling, reuse, and rainwater harvesting initiatives.
- Air Emissions** – Monitoring and controlling particulate matter (PM), SO₂, and NO_x emissions through effective air pollution control systems and process optimization, ensuring compliance with applicable regulatory requirements.
- Waste Generation & Utilization** – Minimizing waste generation through the 5R principle (Refuse, Reduce, Reuse, Repurpose and Recycle) and maximizing the recovery, recycling, reuse, and beneficial utilization of waste and process by-products.

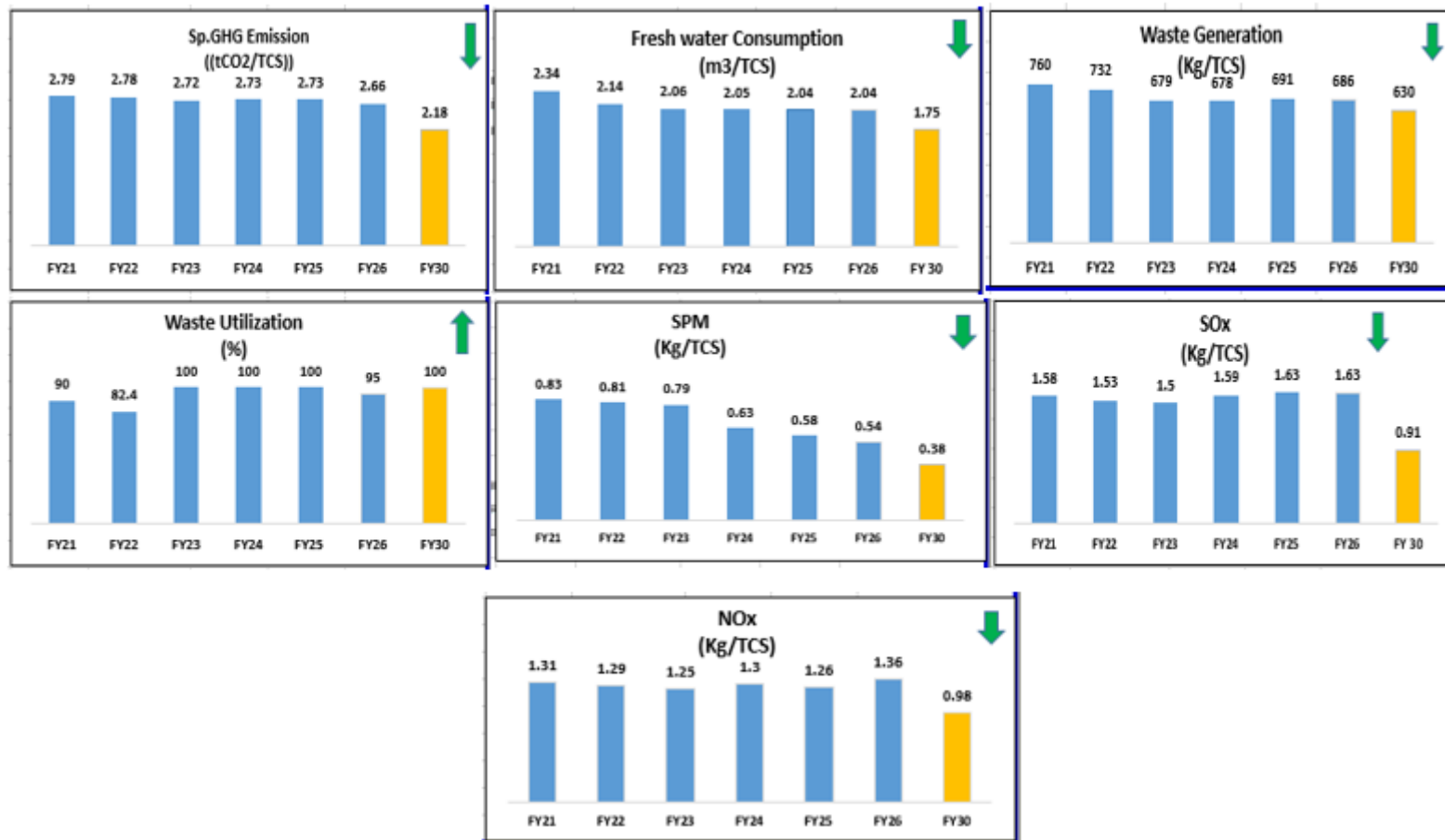


Fig. Sustainability KPIs Performance during FY 2025-26

These KPIs provide a measurable framework to assess progress, identify improvement opportunities, and drive continual enhancement of JSW Salem Works' environmental performance

PART – H

Additional measures / investment proposal for environmental protection including abatement of pollution & Miscellaneous

JSW Salem Works has identified and planned few environmental initiatives for FY 2026–27 aimed at improving environmental performance, optimizing resource utilization, strengthening waste management, and promoting circular economy practices. These initiatives focus on emission reduction, resource conservation, efficient waste handling, and beneficial utilization of industrial by-products.

1. Revamping of Township STP using MBBR technology to improve biological treatment efficiency and treated wastewater quality.
2. Installation of RECD (Retrofit Emission Control Device) to achieve approximately 70% reduction in PM emissions from the existing emission levels.
3. Creation of a dedicated Waste Yard for systematic segregation, storage and disposal/utilization of different waste streams.
4. Installation of flow meter in WHRB for accurate monitoring of flue gas flow and improved emission monitoring.

Further, as part of its environmental protection and pollution prevention initiatives, we conduct environmental awareness programmes through celebration of World Environment Day, World Water Day and Ozone Day to enhance awareness among employees on environmental conservation, sustainable resource utilization and pollution prevention. The photographs and details of the awareness programmes conducted during the previous year are appended below



World Environment Day Celebration June 2025



. Ozone Day Celebration September 2025



World Water Day Celebration March 2026

**PART – I
MISCELLANEOUS**

Corporate Social Responsibility (CSR)

JSW is deeply committed to enhancing the quality of life of the communities around us. Through our Corporate Social Responsibility (CSR) and Corporate Environment Responsibility (CER) initiatives, we strive for holistic community development while ensuring sustainable environmental practices.

Our CSR policy is robust and well structured, with a strong emphasis on key areas such as livelihood enhancement, education, healthcare, infrastructure development, and environmental sustainability. We maintain close engagement with stakeholders, including local leaders and community partners, enabling us to better understand community needs and expand the reach and effectiveness of our initiatives.

The detailed CSR activities undertaken by the company are provided in **Annexure I**

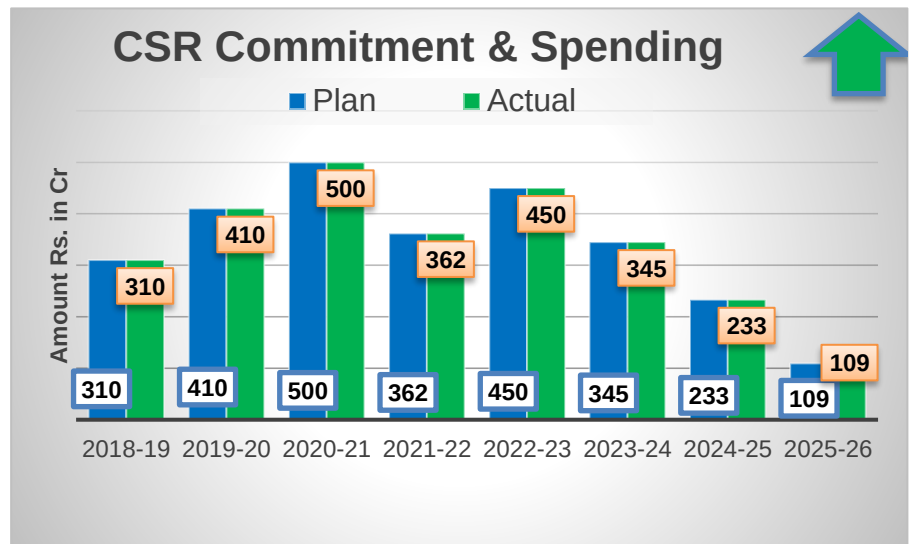
ANNEXURE 1

CSR DETAILS

CSR REPORT FOR THE PERIOD OF APRIL 2025 TO MARCH 2026

JSW is deeply conscious of its vision and responsibilities to the communities around the plant. Empowering citizen with better health, education and employment opportunities is JSW's mission. JSW is committed to improve the quality of life of surrounding communities through Corporate Social Responsibility (CSR) programs. We have well-laid community development programs under CSR. Our focus is on,

- Health
- Education
- Environment
- Women Empowerment
- Agri Livelihood
- Rural Infrastructure Development



During the FY-2025-26, our CSR initiatives extended their reach across the following areas Pottaneri, M.Kalipatti, Kuttapatti, Viruthasampatti, Gonur Panchayats and Mecheri Town. Our total CSR expenditure for the amounted to Rs. 1.09 Crores, dedicated to projects aimed at improving community welfare, sustainable development and local infrastructure enhancement in this areas.

HONoured BY TAMILNADU GOVERNMENT FOR COMMUNITY ENGAGEMENT:

The infrastructure of the library has been completely transformed, and the number of readers has increased significantly because of the improved facilities now available to them. Not only members of the local community and school students are utilizing the library, but children from schools in other areas have also expressed great interest in gaining exposure to its resources. In response to this, our ASPIRE team organized an educational trip to the Mecheri Library, providing students with an enriching learning experience from other villages. Furthermore, the Tamil Nadu Government has recognized our work by placing us under the special category for the remarkable contribution we have made within our communities. This recognition highlights the positive impact our initiatives have created in promoting education and access to knowledge. We have honored to receive an award from the Tamil Nadu School Education Minister, Mr. Anbil Mahesh Poyyamozhi, acknowledging our dedicated efforts and achievements.



JSW ASPIRE PROGRAM:

A School Management Committee Workshop (SMC) conducted with parents of government school students to strengthen their involvement in school development and learning. The workshop increased awareness of school processes and the importance of parental participation. Parents gained a clearer understanding of school management practices improving communication and collaboration with teachers and staff. This strengthened parent-school partnerships, leading to better student attendance, increased motivation, and improved academic support at home—all contributing to a more positive learning environment.



JSW ASPIRE PROGRAM: CHILDREN'S DAY CELEBRATION:

Children's Day celebrated with great enthusiasm at the Government Schools in Mallappanur and Viruthasamapatti, where 105 children participated actively in the event. Students showcased their talents through various cultural performances, games, and creative activities. Their efforts were recognized and appreciated to motivate them and build confidence. The celebration created a joyful and encouraging atmosphere, helping children feel valued while promoting participation, creativity, and a sense of togetherness within the school community.



AGRI – SUSTAINABLE LIVELIHOODS:



Under the Sustainable Livelihoods initiative, 450 fruit saplings were distributed to 25 farmers to enhance income generation and promote sustainable farming practices. The intervention encouraged crop diversification, improved long-term farm resilience, increased awareness of eco-friendly agriculture, and supported stable livelihoods through diversified agricultural income sources.

ENVIRONMENT EDUCATION – 7 SCHOOLS & 350 STUDENTS



Environmental education regarding energy use is shifting from simple awareness to active and systemic behavioral change. Students have gained valuable participation skills and enhanced their presentation abilities by reporting and recording energy usage in their schools and homes. They have developed greater awareness of energy conservation and are adopting responsible usage habits in their daily lives. Improved communication and analytical skills help them confidently present data and contribute to sustainability initiatives.

S.No	Activitiy	Committed in Crs (INR) for FY 25-26	Spent in Crs (INR) From April 25 to Mar 26	Remarks
1	Climate resilient Agri - HIHI	0.40	0.40	Completed
2	Community Health Camps	0.10	0.10	Completed
3	JSW Aspire Project	0.47	0.47	Completed
4	Climate Resilient Program - KVK	0.12	0.12	Completed
Total		1.09	1.09	