PRINCIPLE 6: BUSINESSES SHOULD RESPECT AND MAKE EFFORTS TO PROTECT AND RESTORE THE ENVIRONMENT

ESSENTIAL INDICATORS

1. **Details of total energy consumption (in Joules or multiples) and energy intensity, in the following format:**

Parameter	FY 2024-25	FY 2023-24
From renewable sources		
Total electricity consumption (A) GJ	24,622.42	28,849.87
Total fuel consumption (B) GJ	-	-
Energy consumption through other sources (C) GJ	-	-
Total energy consumption renewable sources (A+B+C) GJ	24,622.42	28,849.87
From non- renewable sources		
Total electricity consumption (D) GJ	1,41,338.80	116,795.40
Total fuel consumption (E) GJ	26,551.42	40,798.37
Energy consumption through other sources (F) GJ	-	-
Total energy consumed from non-renewable sources (D+E+F) (GJ)	1,67,890.22	157,593.77
Total energy consumed (GJ) (A+B+C+D+E+F)	1,92,512.63	186,443.64
Energy Intensity in GJ/₹ of turnover	0.000006635	0.0000068542
Energy intensity in GJ per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total energy consumption/ Revenue from operations adjusted for PPP)	0.0000016209	0.0000018881
Energy intensity in GJ per unit of product sold	0.14	0.15
Energy intensity- optional – the relevant metric may be selected by the entity	Not Applicable	Not Applicable

Note: : Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

Yes, independent Sustainability Assessment and Assurance has been carried out by M/s. SGS India Pvt Ltd., Pune

2. **Does the entity have any sites / facilities identified as designated consumers (DCs) under the Performance, Achieve and Trade (PAT) Scheme of the Government of India? (Y/N) If yes, disclose whether targets set under the PAT scheme have been achieved. In case targets have not been achieved, provide the remedial action taken, if any.**

No

3. **Provide details of the following disclosures related to water, in the following format:**

Parameter	FY 2024-25	FY 2023-24
Water withdrawal by source (in Kilolitres)		
(i) Surface water (open well + river water)	2,16,899	312,819
(ii) Groundwater (bore well)	36,272	37,453
(iii) Third party water (tanker + bottles)	1,071	1,177
(iv) Seawater / desalinated water	NA	NA
(v) Others	NA	NA
Total volume of water withdrawal (in Kilolitres) (i + ii + iii + iv + v)	2,54,242	351,449
Total volume of water consumption (in Kilolitres)	2,54,242	351,449
Water intensity in Kilolitres per rupee of turnover in kl / ₹ of turnover (Water consumed / turnover)	0.000008762	0.0000129203
Water intensity in Kilolitres per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total water consumption/ Revenue from operations adjusted for PPP)	0.00000214	0.0000035590
Water intensity in Kilolitres per unit of product sold	0.19	0.28
Water intensity- optional – the relevant metric may be selected by the entity	Not Applicable	Not Applicable

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

Yes, independent Sustainability Assessment and Assurance has been carried out by M/s. SGS India Pvt Ltd., Pune

4. **Provide the following details related to water discharged:**

Our Corporate Office and manufacturing plants have Effluent and/or Sewage treatment plants and water treated in these treatment plants is reused for domestic / industrial purpose.

5. Has the entity implemented a mechanism for Zero Liquid Discharge? If yes, provide details of its coverage and implementation.

Our Corporate Office and manufacturing plants have facilities to treat wastewater and/or effluent generated during operations through sewage / effluent treatment plants (STP/ETP) and then reused for domestic/industrial purposes.

6. Please provide details of air emissions (other than GHG emissions) by the entity, in the following format:

Parameter	Please specify unit	FY 2024-25	FY 2023-24
NOx	MT/ Year	1.80	1.47
SOx	MT/ Year	0.72	1.04
Particulate Matter (PM)	MT/ Year	37.50	25.11
Persistent organic pollutants (POP)	-	NA	NA
Volatile organic compounds (VOC)	MT/ Year	5.57	2.24
Others- Please specify	-	-	-

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency. –

Yes, independent Sustainability Assessment and Assurance has been carried out by M/s. SGS India Pvt Ltd., Pune

7. Provide details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter	Unit	FY 2024-25	FY 2023-24
Total Scope 1 emissions (Break-up of the GHG into CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if available)	Metric tonnes of CO2 equivalent	2,630.14	4,044.89
Total Scope 2 emissions (Break-up of the GHG into CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if available)	Metric tonnes of CO2 equivalent	28,542.59	22,685.63
Total Scope 1 and Scope 2 emissions per rupee of turnover in MT / ₹ of turnover (Total Scope 1 & Scope 2 GHG emissions/ Revenue from operations)	Metric tonnes of CO2 equivalent per ₹ Sale	0.000001074	0.0000009827
Total scope 1 & 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total Scope 1 & Scope 2 GHG emissions/ Revenue from operations adjusted for PPP)	Metric tonnes of CO2 equivalent per ₹ turnover	0.0000002624	0.0000002707
Total Scope 1 and Scope 2 emission intensity in terms of physical output (MT per unit of product sold)	Metric tonnes of CO2 equivalent per product	0.02	0.02
Total Scope 1 and Scope 2 emission intensity- optional – the relevant metric may be selected by the entity	Not Applicable		

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency. –

Yes, independent Sustainability Assessment and Assurance has been carried out by M/s. SGS India Pvt Ltd., Pune

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Yes, we are working on multiple fronts that shall help us in reducing GHG emission, few of those are listed below -

- GHG scope 1, 2 & 3 emission inventorisation has been completed for all our plants and office locations. KBL has developed and implemented a Climate Change Policy that outlines our commitment to reducing GHG emissions and mitigating climate change. This policy is in line with global frameworks like the Paris Agreement and national/regional regulations regarding climate action.
- 35% reduction in Scope 1 emissions by stopping cupola furnace to induction furnace for foundry operation
- 70% of KBL's electricity consumption is catered through renewable energy sources (Solar and Wind Power)We have installed High-Pressure Molding Line (HPML) for our Cast Iron foundry at Dewas that has resulted in reduction of foundry related emissions
- We have installed induction furnaces at our Kirloskarvadi plant, which has reduced emissions as compared to earlier Cupola furnaces that were using fossil fuel.

- Our Corporate Office is a Platinum rated LEED Certified Green Building which helps us to achieve reduced water consumption, optimised energy efficiency, conservation of natural resources, waste management and providing healthier space for occupants, as compared to a conventional building space
- We have achieved CII GreenCo certification for our four manufacturing plants. This will help us to further drive GHG emission reduction initiatives across products and processes
- Products like the DBxe pump LLC™ series pumps, 4" Oil and Water Filled Submersible Pumpsets and 0.5HP and 1.0 HP Mini Pump Series are GreenPro certified by CII are GreenPro certified
- We have taken various initiatives related to energy saving, green procurement, VA/VE, developing energy efficient and low lifecycle products, etc as part of our ESG initiatives and commitments
- Energy Conservation (ENCON) assessment is conducted through independent assessors across our group companies to promote reduction in specific energy consumption and analyse the opportunities for improvement wherever applicable concept
- Adoption of Miyawaki afforestation in Dewas plant and plantation initiatives in other plants act as carbon sinks and also fosters biodiversity
- KBL has adopted zero-waste practices in its facilities and works towards reducing the amount of waste sent to landfills. This includes improving recycling rates and reducing Scope 3 emissions from waste disposal. Our two plants are certified with Zero Waste to Landfill certification.
- In addition, the company use water-efficient technologies to reduce the energy required for water pumping, thus indirectly lowering emissions associated with water usage

9. Provide details related to waste management by the entity, in the following format:

Parameter	FY 2024-25	FY 2023-24
Total Waste generated (in MT)		
Plastic waste (A)	18.80	12.90
E-waste (B)	3.85	2.59
Bio-medical waste (C)	0.01	0.02
Construction and demolition waste (D)	NA	NA
Battery waste (E)	6.07	9.15
Radioactive waste (F)	*	*
Other Hazardous waste. Please specify, if any. (G) – Paint sludge, used oil, ETP sludge	186.58	155.85
Other Non-hazardous waste generated (H). Please specify, if any. (Break-up by composition i.e. by materials relevant to the sector) – Food waste, metal scrap, wooden scrap, burnt sand, corrugated sheets	47,807.67	37,809.57
Total (A+B + C + D + E + F + G + H)	**48,022.98**	**37,990.09**
Waste intensity per rupee of turnover in MT / ₹ of turnover (Total waste generated/Revenue from operations)	0.000001655	0.000001397
Waste intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total Waste generated / Revenue from operations adjusted for PPP)	0.0000004043	0.0000003848
Waste intensity per unit of product sold	0.0352	0.031
Waste intensity- optional – the relevant metric may be selected by the entity	Not Applicable	Not Applicable
For each category of waste generated, total waste recovered through recycling, re-using or other recovery operations (in MT)		
Category of waste in MT		
(i) Recycled	3,984.04	3,387.24
(ii) Re-used	6,607.55	9,541.99
(iii) Other recovery operations (Co-processing)	57.73	39.72
Total	**10,649.32**	**12,968.95**
For each category of waste generated, total waste disposed by nature of disposal method (in MT)		
Category of waste in MT		
(i) Incineration	38.76	46.79
(ii) Landfilling	11,211.17	6,963.48
(iii) Other disposal operations	26,123.72	18,011.23
Total	**37,373.65**	**25,021.50**

**We manage radioactive wastes in line with AERB (Atomic Energy Regulatory Board) rules and dispose it back to original suppliers. The weight of radioactive wastes generated in current year is negligible (50 gm approx.)*

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

Yes, independent Sustainability Assessment and Assurance has been carried out by M/s. SGS India Pvt Ltd., Pune

10. Briefly describe the waste management practices adopted in your establishments. Describe the strategy adopted by your Company to reduce usage of hazardous and toxic chemicals in your products and processes and the practices adopted to manage such wastes.

- We have implemented specific initiatives to promote the principles of the 3R's (Reduce, Reuse, Recycle) for effective waste management. Hazardous waste is regularly disposed of through agencies authorised by the State Pollution Control Board. Our waste generation is well within the limits prescribed under the consent of the State Pollution Control Board (SPCB) or the Central Pollution Control Board (CPCB).

- All our manufacturing plants hold ISO 14001:2015 (Environmental Management System) Standard certification. We have established dedicated procedures that align with ISO requirements and statutory obligations. These systems and processes are designed to minimise hazardous waste generation, and they undergo internal audits twice a year and annual external audit through an authorised agency. By maintaining a sound waste management system, we go beyond mere compliance with state regulations.

- Our waste management approach involves comprehensive monitoring of hazardous and non-hazardous waste generation streams at each plant. Waste is segregated and stored separately in designated waste management sheds. Disposal of waste follows the prescribed conditions set by the State Pollution Control Board. Moreover, organic waste generated in our kitchens are utilised to derive energy.

- We are also in the process of assessing our waste management practices to explore further scope of improvement and as a next step towards achieving Zero Waste to Landfill certification for our plants.

- Dewas plant achieved "Approaching to Zero Waste to Landfill" certification and Sanand plant achieved "Aspiring to Zero Waste to Landfill" certification

Process for Waste management -

(a) Plastics (including packaging) – Procedure in place at all the manufacturing locations as per ISO 14001:2015 certification

(b) E-waste – Corporate guidelines are available for safe disposal of e-waste

(c) Hazardous waste – Procedure in place at all the manufacturing locations as per ISO 14001:2015 certification

(d) Other waste (Metal Waste) – Procedure in place at all the manufacturing locations as per ISO 14001:2015 certification for Metal waste. Most of the metal scrap is recycled in our foundry units

11. If the entity has operations/offices in/around ecologically sensitive areas (such as national parks, wildlife sanctuaries, biosphere reserves, wetlands, biodiversity hotspots, forests, coastal regulation zones etc.) where environmental approvals / clearances are required, please specify details in the following format:

Not Applicable

12. Details of environmental impact assessments of projects undertaken by the entity based on applicable laws, in the current financial year:

This is not applicable for us as none of our plants are located in ecologically sensitives areas.

13. Is the entity compliant with the applicable environmental law/ regulations/ guidelines in India; such as the Water (Prevention and Control of Pollution) Act, Air (Prevention and Control of Pollution) Act, and Environment protection act and rules thereunder (Y/N). If not, provide details of all such non-compliances, in the following format:

Yes, we are complying with all the applicable laws.

LEADERSHIP INDICATORS

1. **Water withdrawal, consumption, and discharge in areas of water stress (in kilolitres):**

   For each facility/plant located in areas of water stress, provide the following information:

   I. Name of the area

   II. Nature of operations

   III. Water withdrawal, consumption and discharge in the following format:

   Not Applicable as we do not have operations in water stress areas.

   Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

2. **Please provide details of total Scope 3 emissions & its intensity, in the following format:**

Parameter	Unit	FY 2024-25	FY 2023-24
Total Scope 3 emissions (Break-up of the GHG into CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, NF_3, if available)	Metric Tonnes of CO_2 equivalent	2,08,010.63	177,765.70
Total Scope 3 emissions per rupee of turnover	Tonnes of CO_2 equivalent / ₹ of turnover	0.00000717	0.00000653

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

- All applicable categories of scope 3 emissions are considered, except category 11, whereas for category 15, investment only in India has been considered.

3. **With respect to the ecologically sensitive areas reported at Question 11 of Essential Indicators above, provide details of significant direct & indirect impact of the entity on biodiversity in such areas along-with prevention and remediation activities.**

   Not Applicable

4. **If the entity has undertaken any specific initiatives or used innovative technology or solutions to improve resource efficiency, or reduce impact due to emissions / effluent discharge / waste generated, please provide details of the same as well as outcome of such initiatives, as per the following format:**

Sr. No	Initiative undertaken	Details of the initiative (Web-link, if any, may be provided along-with summary)	Outcome of the initiative
1	CII GreenPro Eco Label certification for our pumps and castings	We have conducted Life Cycle Analysis for our 4" Oil and Water Filled Submersible Pumpsets, 0.5 HP and 1.0 HP Mini Pump Series, Cast Iron foundry castings, Alloy Cast Steel Foundry castings, DBxe End Suction Pumps and LLC™ Horizontal Axially Split Case pumps. Various features in our products and processes like use of renewable energy, high efficiency, low maintenance, less reduction in efficiency due to wear & tear in operations has resulted in achieving GreenPro Eco Label Certification from CII for our castings from two foundries and four products as above. http://ciigreenpro.com/ecolabelled-products/categories	GreenPro Eco Label Certification from CII demonstrating our leadership in Product Stewardship and Innovation
2	High efficiency motor - IE4/ IE5 motors for Monoblock pumps	Energy efficient motor driven monoblock pump. Refer our website for more details at below link - https://www.kirloskarpumps.com/kirloskar-pumps/products/product_type/Monobloc-Pumps/	Reduced carbon footprints / Energy saving due to higher efficiency
3	Development of FGD pumps	These pumps are used for flue-gas desulphurisation application in thermal power plants.	Used in power plants to minimise sulphur content in flue gas
4	Solar pumping system	Pump-set driven by solar energy https://www.kirloskarpumps.com/kirloskar-pumps/product/SOLAR+PUMPING+SYSTEM/	Zero carbon emission during operation phase

Sr. No	Initiative undertaken	Details of the initiative (Web-link, if any, may be provided along-with summary)	Outcome of the initiative
5	Micro hydro power generator - PAT/PICO	KBL's Pump as Turbine (PAT) is a unique pumping solution that can be operated in reverse as a turbine for generating micro hydroelectricity (up to 100 kW) PICO pump, like PAT, is designed for meeting energy requirements in industries https://www.kirloskarpumps.com/product/Micro+Hydro+Power+Generator+-+PICO/ https://www.kirloskarpumps.com/product/Pump+As+Turbine/	Generation of clean hydroelectric power
6	Submersible pumps for desalination industry - CW	Pumping water at high pressure across the membrane https://www.kirloskarpumps.com/kirloskar-pumps/wp-content/uploads/2020/07/KVM-Leaflet.pdf	Import substitution reducing transportation and cost
7	Products for nuclear industry	We are leading manufacturer of pumping solutions for various critical applications in the nuclear industry	Import substitution reducing transportation and cost
8	Fire-fighting pumps with FM/UL approval	FM/UL approvals to meet quality norms of The National Fire Protection Association (NFPA) https://www.kirloskarpumps.com/product/FM-approved+and+UL-listed+Fire+Fighting+Pump/	International approvals have greater reliability when preventing property damage in case of fire
9	Induction Furnace for CI Foundry	We have replaced our cupola furnaces with induction furnaces, which shall now avoid the use of high GHG emission fossil fuel like coke	Reduction is emission
10	BEE star rating certification for borewell submersible pumps	Energy efficient borewell submersible pumps meeting BIS specifications and star rating from Bureau of Energy Efficiency https://www.kirloskarpumps.com/kirloskar-pumps/products/market/Submersible-Pumps/	Energy saving/lower life cycle cost
11	Development of high-efficient DBxe end suction pump series	Developed Energy efficient end suction DBxe pumps with MEI Norms https://www.kirloskarpumps.com/product/End+Suction+Pump+-+DBxe/	Energy saving/lower life cycle cost
12	HPML Technology for Cast Iron foundry at Dewas	We have installed High Pressure Molding Line (HPML) technology for Cast Iron foundry at our Dewas plant. This is expected to improve the accuracy and productivity of castings. This shall also result in around 15% reduction in Specific Energy consumption and 3% reduction in rejection of castings.	Reduction in carbon emission
13	High efficiency product for process application	Energy efficient End Suction Process Pumps – KPD Series https://www.kirloskarpumps.com/product/End+Suction+Process+Pump+-+KPD/	Energy saving

5. Does the entity have a business continuity and disaster management plan? Give details in 100 words/ web link.

Post-pandemic, we have thoroughly revamped our business continuity plan keeping in mind the uncertainties. We augmented and channelised our HR capabilities to manage & mitigate the impact post the pandemic resulting in proactive actions, long-term planning, supporting employees for hybrid working model, making employee communication as a key for our business. We have ensured all necessary structural changes required to align roles as per people capabilities must be in place for dealing with future uncertainties as a part of new-normal. We utilised People Direct - Learning Management System (LMS) to allow our employees to upgrade and enhance their skills. Our commitment to society is well established and we are frontrunners in responding to the need of communities where we do our business. We are proud that our employees adopted to new normal very quickly and ensured business continuity with great agility and resilience. We are hopeful that with the help of science, discipline, and self-restraint of our employees, we would be able to hold ourselves resiliently against the new unforeseen uncertainties.

We also have a robust "Emergency Preparedness and Response Plan" in place for our manufacturing plants which include procedures for critical locations / sections of the plant covering aspects like possible emergency scenarios such as fire hazards, accident cases, emission of toxic gases, oil spillage, water & land pollution, etc. The plan also lays out preventive measures, response action plans and mock drills to deal with such situations.

Apart from this, we have an "Onsite Emergency Plan" for our project sites. It lays down the Code of Conduct for all personnel in the event of emergency like fire, explosion, and natural calamity. The objective of this plan is to safeguard the life of personnel working in project site and also ensures safety concerning our operational assets ensuring business continuity.

6. Disclose any significant adverse impact to the environment, arising from the value chain of the entity. What mitigation or adaptation measures have been taken by the entity in this regard

We do not envisage any adverse impact from the activities of our value chain.

7. Percentage of value chain partners (by value of business done with such partners) that were assessed for environmental impacts.

Key suppliers & dealers with 62.93 of business share have been assessed for environmental parameters.

PRINCIPLE 7: BUSINESSES, WHEN ENGAGING IN INFLUENCING PUBLIC AND REGULATORY POLICY, SHOULD DO SO IN A MANNER THAT IS RESPONSIBLE AND TRANSPARENT

1. a. Number of affiliations with trade and industry chambers/ associations.

There are 15 + number of affiliations with trade and industry chambers/ associations

b. List the top 10 trade and industry chambers/ associations (determined based on the total members of such body) the entity is a member of/ affiliated to.

S. No.	Name of the trade and industry chambers/ associations	Reach of trade and industry chambers/ associations (State/National)
1	Hydraulic Institute (HI)	International
2	Confederation of Indian Industry (CII)	National
3	Federation of Indian Chambers of Commerce & Industry (FICCI)	National
4	Indian Pump Manufacturers Association (IPMA)	National
5	Indian Electrical and Electronics Manufacturers' Association (IEEMA)	National
6	Indian Foundry Association	National
7	Central Board of Irrigation and Power (CBIP)	National
8	Indian Electrical And Electronics Manufacturers' Association (IEEMA)	National
9	Mahratta Chamber of Commerce & Industries (MCCIA)	State
10	Indore Management Association	State

2. Provide details of corrective action taken or underway on any issues related to anticompetitive conduct by the entity, based on adverse orders from regulatory authorities

Name of authority	Brief of the case	Corrective action taken
None, as we did not receive any adverse orders from regulatory authorities related to anti-competitive conduct		