

Sustainability Data Trends 2023

GRI/EUSS	KPI	Unit	2021	2022	2023
EU1	Installed Capacity				
	Thermal capacity	MW	60735.00	63385.00	65325.00
	Coal	MW	54224.00	56874.00	58814.00
	Natural gas	MW	6511.00	6511.00	6511.00
	Renewable capacity	MW	5075.00	5577.00	6929.00
	Hydroelectric	MW	3725.00	3725.00	3725.00
	Small Hydro	MW	32.00	32.00	32.00
	Wind	MW	163.00	163.00	163.00
	Solar	MW	1155.00	1657.00	3009.00
	Biomass	MW	-	-	-
	Total Gross Installed capacity	MW	65810.00	68962.00	72254.00
EU2	Generation				
	Thermal capacity	MU	300843.06	345874.28	381510.68
	Coal	MU	289589.74	337275.00	376334.48
	Natural gas	MU	11253.32	8599.28	5176.20
	Renewable capacity	MU	13230.74	14642.27	17799.38
	Hydroelectric	MU	11366.77	12094.30	12875.01
	Small Hydro	MU	91.56	80.64	113.85
	Wind	MU	296.01	337.85	324.04
	Solar	MU	1476.40	2129.49	4486.48
		Total Gross Generation	MU	314073.81	360516.55
	Total Net Generation	MU	291788.05	335758.49	371278.00
EU4	New Project Development (Under Construction)				
	Thermal capacity	MW	12850.00	9980.00	9960.00
	Coal	MW	12850.00	9980.00	9960.00
	Natural gas	MW	0.00	0.00	0.00
	Renewable capacity	MW	5139.00	5695.32	6923.00
	Hydroelectric	MW	2255.00	2255.00	2255.00
	Small Hydro	MW	0.00	0.00	0.00
	Wind	MW	0.00	150.00	0.00
	Geothermal	MW	-	-	-
	Solar	MW	2884.00	3290.32	4668.00

GRI/EUSS	KPI	Unit	2021	2022	2023
	Biomass	MW	-	-	-
	Under Construction Capacity	MW	17989.00	15675.32	16883.00
	Fuel Procured				
	Coal	MMT	192.20	225.41	247.86
	Imported	MMT	1.06	2.46	15.56
	Domestic	MMT	191.14	222.95	232.30
	Gas	MMSCM	2599.00	2029.63	416.40
	Biomass	(,000 t)	24.60	38.69	23.88
	GHG Mitigation				
305-5	Carbon Sink Created	mil t	0.72	0.74	0.76
			11.17	12.31	14.82
	Avoided emissions	mil t	10.45	11.57	14.06
	Direct greenhouse gas emissions (Scope 1)				
305-1	CO2 emissions from the electricity production	mil t	263.90	304.08	336.46
	Emissions from coal electricity gen.	mil t	258.82	300.10	333.69
	Emissions from gas electricity gen.	mil t	5.08	3.98	2.78
	Other CO2eq emissions due to electricity production and other activities	mil t _{eq}		0.06	0.02
	of which: emission from losses of SF6 from energy production	toneq	-	57360.00	20250.47
	of which: emission from losses of HFCs from energy production	toneq	-	1048.80	210.64
	Total direct emissions (Scope 1)		263.90	304.14	336.48
	SCOPE 1 Emissions (after adjustment)	mil t _{eq}	263.18	303.40	335.70
	Specific Emission - Scope 1				
305-4	Specific CO2 emissions from total gross production	g/kWh	840.25	843.46	842.61
	Specific CO2eq emissions from Scope 1	gCO2eq/kWh	837.96	841.57	840.70
	Indirect greenhouse gas emissions (Scope 2): Purchased electricity from the grid				
305-2	Emission due to power consumption by Building and Offices	Ton	15221.86	16400.34	15810.23

GRI/EUSS	KPI	Unit	2021	2022	2023
	Emission due to power consumption by Hydro/ Gas Plants during Shutdown	Ton	-	-	69933.23
	Specific Scope 2	gCO2/kWh	0.05	0.05	0.18
	Other indirect greenhouse emissions (Scope 3)				
305-3	Transport of coal by sea	Ton	167400.00	492900.00	3451606
	Transport of coal by train	Ton	366776.43	606841.98	891322.31
	Commute to workplaces by Employees	Ton	12309.00	12034.30	17421.13
	Business Travels by Employees	Ton	26918.79	2103.62	4202.26
	Total indirect emissions (Scope 3)	Ton	573404.2245	1113879.89	4364552.04
	Specific Scope 3 Emission	gCO2eq/kWh	1.83	3.09	10.93
	Other Atmospheric Non GHG Emissions				
305-7	SO2 emissions	Ton	1552254	1621349	1767481.60
	NOx emissions	Ton	602832	640419	657376.38
	Particular Matter	Ton	88431	91115	89294.96
	Hg emissions	Ton	4.66	7.23	7.00
	Specific emissions				
	SO2 emissions	g/kWh	4.94	4.50	4.43
	NOx emissions	g/kWh	1.93	1.78	1.65
	Particular Matter	g/kWh	0.28	0.25	0.22
	Hg emissions	g/kWh	0.00	0.00	0.00
305-6	Ozone Depleting Substances emissions				
	ODS (CFC-11 equivalent)	kgCFC-11eq	23499.86	403.00	1484.37
	Specific ODS	(x10 ⁻⁶) gCFC-11eq/kWh	12.00	1.12	3.72
	Energy Consumption: Fuel consumption by primary source in GJ				
302-1	from non-renewable sources	GJ	2953663879.38	3385265320.57	3742448770.17
	Coal	GJ	2851164930.66	3305688837.96	3687815606.35
	Natural gas	GJ	101630257.86	79144416.79	53847760.23
	Naptha	GJ	862567.80	423850.99	777481.61
	LDO	GJ	4143.90	5491.43	5358.02
	HFO	GJ	1968.72	2034.79	1474.02
	HSD	GJ	10.43	688.60	1089.93

GRI/EUSS	KPI	Unit	2021	2022	2023
	from renewable resources	GJ	302912.40	497293.50	246700.00
	Biomass, biogas and waste	GJ	302912.40	497293.50	246700.00
	Total direct consumption	GJ	2953966791.77	3385762614.07	3742695470.17
	Net Energy Intensity	MJ/ kWh	10.11	10.08	10.01
	Energy Consumption: Auxiliary Power Consumption				
302-1	Coal Stations	MU	20090.00	22797.14	25114.09
		%	0.07	6.78	6.68
	Gas Stations	MU	376.00	285.71	187.11
		%	0.03	3.32	3.61
	Hydro	MU	67.00	76.54	71.48
		%	0.01	0.63	0.56
	Small Hydro	MU		1.12	2.13
		%		1.39	1.87
	Solar	MU		42.72	81.12
		%		2.01	1.81
	Wind	MU		3.42	2.75
		%		1.01	0.85
	Total	MU	20533.00	23206.65	25458.68
		%	6.54	6.46	6.38
	Reduction in Energy Consumption				
302-4	Electrical Energy	MU	132.95	135.55	139.61
	Heat Energy (Eq. MT of coal)	MT	22995.34	26152	23022.348
	Heat Energy (Eq. MCM of Gas)	MCM	0.087	0	0
	Total Energy Saved	TJ	1643.345	1693.500724	1735.502125
	Materials Consumption: Resources used in the production process				
	Fuel consumption for thermoelectric production from non-renewable sources				
	Coal	mil t	195.39	226.55	250.20
	Natural gas	(Mm ³)	2555.00	2030.91	1386.95
	Naptha	t	18280.00	8923.49	16355.58
	LDO	kL	103298.00	139853.77	144360.29
	HFO	kL	47562.00	49821.36	38087.07

GRI/EUSS	KPI	Unit	2021	2022	2023
301-1	HSD	kL	285.00	18177.57	28835.93
	From renewable resources				
	Biomass for thermoelectric production	(,000 t)	24.60	40.39	20.03
	Consumables				
	Chlorine	t	5462.95	5370.00	4843.79
	Ammonia	t	1031.13	1532.64	1320.23
	Alum	t	14104.28	13480.00	28978.90
	HCl	t	19910.88	18175.00	32905.49
	H2SO4	t	23915.97	20690.00	34174.51
	Lube Oil	kL	848.99	974.00	1169.10
Transformer Oil	kL	175.27	329.00	355.23	
Water withdrawal by source in "water stressed" areas					
Withdrawal from scarce source:					
Surface water (Rivers,lakes, reservoir, Wetland) total					
	- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	Mm ³		3365.21	2489.51
	- other water (> 1,000 mg/l Total Dissolved Solids)	Mm ³		0.00	0.00
Collected rain water (Artificial reservoir)					
	- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	Mm ³		0.00	0.07
	- other water (> 1,000 mg/l Total Dissolved Solids)	Mm ³		0.00	0.00
Ground water total					
	- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	Mm ³		0.00	0.00
	- other water (> 1,000 mg/l Total Dissolved Solids)	Mm ³		0.00	0.00
Water from thirdparty					
	- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	Mm ³		0.15	0.24
	- other water (> 1,000 mg/l Total Dissolved Solids)	Mm ³		0.00	0.00

GRI/EUSS	KPI	Unit	2021	2022	2023	
303-3	Withdrawal from non scarce source:					
	Sea water (used as is and dissalated)				0.00	
	- freshwater (\leq 1,000 mg/l Total Dissolved Solids)	Mm ³		0.00	0.00	
	- other water ($>$ 1,000 mg/l Total Dissolved Solids)	Mm ³		11.11	0.00	
	Total Fresh Water Withdrawal	Mm ³		3376.47	2489.82	
	Water withdrawal by source in "All Areas" areas					
	Withdrawal from scarce source:					
	Surface water (Rivers,lakes, reservoir, Wetland) total					
	- freshwater (\leq 1,000 mg/l Total Dissolved Solids)	Mm ³	910.20	1909.46	5478.26	
	- other water ($>$ 1,000 mg/l Total Dissolved Solids)	Mm ³	0.00	0.00	0.00	
	Collected rain water (Artificial reservoir)					
	- freshwater (\leq 1,000 mg/l Total Dissolved Solids)	Mm ³	12.06	0.00	4.10	
	- other water ($>$ 1,000 mg/l Total Dissolved Solids)	Mm ³	0.00	0.00	0.00	
	Ground water total					
	- freshwater (\leq 1,000 mg/l Total Dissolved Solids)	Mm ³	0.00	0.00	0.00	
	- other water ($>$ 1,000 mg/l Total Dissolved Solids)	Mm ³	0.00	0.00	0.00	
	Water from thirdparty					
	- freshwater (\leq 1,000 mg/l Total Dissolved Solids)	Mm ³	0.00	0.00	0.55	
	- other water ($>$ 1,000 mg/l Total Dissolved Solids)	Mm ³	0.00	0.00	0.00	
	Withdrawal from non scarce source					
	Sea water (used as is and dissalated)					
- freshwater (\leq 1,000 mg/l Total Dissolved Solids)	Mm ³	0.00	0.00	0.00		

GRI/EUSS	KPI	Unit	2021	2022	2023
	- other water (> 1,000 mg/l Total Dissolved Solids)	Mm ³	88.10	146.49	179.10
	Total Fresh Water Withdrawal	Mm³	1010.36	2055.94	5662.01
NTPC's 3 R	Water Requirement Reduction				
	Rain Water	Mm ³	12.18	6.93	4.58
	Surface water storage	Mm ³	10.13	5.96	4.10
	Ground water Recharge	Mm ³	2.05	0.96	0.48
	Waste Water Reuse & Recycling				
	Waste Water Generated	Mm ³	187.72	344.14	354.23
	Waste Water Reused (No Treatment)	Mm ³		259.24	273.14
	Waste Water Treated	Mm ³		85.71	81.09
	Primary treatment	Mm ³		3.45	0.08
	Secondary treatment	Mm ³	187.32	82.01	80.83
	Tertiary treatment	Mm ³		0.25	0.19
	Waste Water Recycled	Mm ³		76.06	71.95
	Primary treatment	Mm ³		2.29	0.06
	Secondary treatment	Mm ³	175.56	73.56	71.70
	Tertiary treatment	Mm ³		0.22	0.19
	Waste Water (Treated) Discharged				
	Waste Water Discharged	Mm ³	11.76	9.80	9.14
Recycling Rate (Percentage of recycled and reused water)	%	94%	97%	97%	
Water consumption from alternate sources	%	20%	34%	#VALUE!	
303-4	Water Discharge by Destination and Type				
	Water discharge by destination	Mm³		1143.67	4528.31
	Total Surface water (wetlands, lakes, rivers)	Mm ³		1058.58	4409.98
	Groundwater	Mm ³		0.00	0.00
	Third party water	Mm ³		0.00	0.99
	Seawater	Mm ³	61.02	85.09	117.34
Water discharge by type	Mm³		1058.58	4528.31	

GRI/EUSS	KPI	Unit	2021	2022	2023
	Discharge of water used for once through cooling system	Mm ³		1058.58	4519.17
	Other surface water discharge	Mm ³		0.00	9.14
303-5	Water Consumptions				
	Surface water (Rivers,lakes, reservoir, Wetland) total	Mm ³	910.22	997.22	1068.36
	Ground water total	Mm ³	0.00	0.00	0.00
	Water from thirdparty	Mm ³	0.00	0.15	5.43
	Sea water	Mm ³	27.09	72.51	61.76
	Total Fresh Water Consumption	Mm³	910.22	997.37	ater
	Specific Fresh Water Consumption	l/ kWh	2.90	2.76	2.69
306-3	Waste Produced				
	Hazardous Waste	t	1480.46	3110.76	4832.25
	Non-Hazardous Waste	t	74876.76	60858.08	42383.26
	Other Waste	t	249.40	3270.32	62163.10
	Waste diverted from Disposal				
	Hazardous Waste	t	649.77	1636.43	2045.80
	Reused	t		0.30	340.30
	Recycle	t		1636.13	1703.40
	Other Recovery options	t		0.00	2.10
	Non-Hazardous Waste	t	24810.77	51523.84	40176.69
	Reused	t		263.57	238.84
	Recycle	t		51161.72	39565.71
	Other Recovery options	t		98.55	372.14
	Other Waste	t	191.45	2003.86	13179.28
	Reused	t		1803.15	12852.50
	Recycle	t		118.53	186.07
	Other Recovery options	t		82.18	140.71
	Waste diverted to Disposal				
	Hazardous Waste	t	770.14	365.70	1778.66
	Incineration	t		0.00	39.84
Landfilling	t		365.70	1725.04	
Other disposal options	t		0.00	13.78	
Non-Hazardous Waste	t	153.73	5119.90	3220.98	

GRI/EUSS	KPI	Unit	2021	2022	2023
	Incineration	t		141.81	429.12
	Landfilling	t		4888.99	2606.89
	Other disposal options	t		89.10	184.97
	Other Waste	t	26.89	652.44	48039.12
	Incineration	t		18.11	129.84
	Landfilling	t		634.26	47904.30
	Other disposal options	t		0.07	4.98
306	Fly Ash Produced	Mn t	70.369	83.19	88.96
	Fly ash Utilised	%	79.43%	81.67%	82.75%
EU12	Grid losses	%			
102-43; 102-44	Customer satisfaction				
	Regulated market				
	Customer Satisfaction Index	%	96%	97%	97%
	Frequency of surveys	number	1.00	1.00	1.00
102-7	Scale of the Organisation				
	Size of workforce				
	Total workforce	number	21941	20771	21745
102-8	Workforce by geographic area and gender	number			
	of whom men	number	20278	19138	19973
	of whom women	number	1663	1663	1772
Workforce by level and gender (permanent only)					
	Board of Directors and KMP	number	10	6	5
	of whom men	number	10	6	5
		%	100%	100%	100%
	of whom women	number	0	0	0
		%	0%	0%	0%
	Top/ Senior management	number	510	49	58
	of whom men	number	497	43	55
		%	97%	88%	95%
	of whom women	number	13	1	3
		%	3%	2%	5%
	Middle management	number	3880	4250	4358
	of whom men	number	3695	4047	4153
		%	95%	95%	95%

GRI/EUSS	KPI	Unit	2021	2022	2023	
405-1	of whom women	number	185	203	205	
		%	5%	5%	5%	
	Lower/Junior management	number	9114	8766	8576	
	of whom men	number	8411	8076	7861	
		%	92%	92%	92%	
	of whom women	number	703	690	715	
		%	8%	8%	8%	
	Workmen	number	8427	7700	7255	
	of whom men	number	7665	6961	6549	
		%	91%	90%	90%	
	of whom women	number	762	739	706	
		%	9%	10%	10%	
	Total	number	21941	20771	20252	
	Workforce by age range and level (permanent only)					
	< 30		%	326%	4086%	2743%
	Board of Directors and KMP	number		0	0	0
	Top/ Senior management	number		0	0	0
	Middle management	number		0	0	0
	Lower/Junior management	number		877	1141	863
	Workmen	number		785	861	728
	30-50		%	2016%	20194%	17824%
	Board of Directors and KMP	number		0	0	0
	Top/ Senior management	number		2	0	2
	Middle management	number		1985	2089	2235
	Lower/Junior management	number		5448	5202	5596
	Workmen	number		2845	2604	2505
	>50		%	1961%	18110%	14350%
	Board of Directors and KMP	number		10	6	5
	Top/ Senior management	number		508	49	56
	Middle management	number		1895	2161	2123
	Lower/Junior management	number		2789	2423	2117
	Workmen	number		4797	4235	4022
Total	number		21941	20771	20252	

GRI/EUSS	KPI	Unit	2021	2022	2023
102-8	Workforce by type of contract and gender				
	Permanent Employee		13514	13071	12997
	of whom men	number	12613	12177	12074
	of whom women	number	901	894	923
	Permanent Workers	number	8427	7700	7255
	of whom men	number	7665	6961	6549
	of whom women	number	762	739	706
	Total NTPC Group Permanent Employees	number	21941	20771	20252
	of whom men	number	20278	19138	18623
	of whom women	number	1663	1633	1629
	Workforce by type of contract and gender				
	Other than Permanent Employee (Fixed Term) + Trainees	number		1041	1493
	of whom men	number		911	1350
	of whom women	number		130	143
	Other than Permanent workers	number	97442	106662	113355
	of whom men	number			111457
of whom women	number			1898	
	Total Turnover (Voluntary)	number			1769
	Workforce by level and gender				
	Board of Directors and KMP	number			2
	of whom men	number			2
		%			100%
	of whom women	number			0
		%			0%
	Top/ Senior management	number			36
	of whom men	number			36
		%			100%
	of whom women	number			0
		%			0%
	Middle management	number			392
	of whom men	number			374
		%			95%
	of whom women	number			18

GRI/EUSS	KPI	Unit	2021	2022	2023	
401-1		%			5%	
	Lower/Junior management	number			517	
	of whom men	number			477	
		%			92%	
	of whom women	number			40	
		%			8%	
	Fixed Term Employees (Other than permanent) + Trainees	number			206	
	of whom men	number			174	
		%			84%	
	of whom women	number			32	
		%			16%	
	Workmen (Permanent)	number			616	
	of whom men	number			571	
		%			93%	
	of whom women	number			45	
		%			7%	
	Total Turnover (Voluntary + Involuntary)	number			1704	1781
	Workforce by level and gender					
	Board of Directors and KMP	number			2	2
	of whom men	number			1	2
		%			50%	100%
	of whom women	number			1	0
		%			50%	0%
	Top/ Senior management	number			22	36
	of whom men	number			22	36
		%			100%	100%
	of whom women	number			0	0
		%			0%	0%
	Middle management	number			434	393
	of whom men	number			425	375
	%			98%	95%	
of whom women	number			9	18	
	%			2%	5%	

GRI/EUSS	KPI	Unit	2021	2022	2023
	Lower/Junior management	number		534	522
	of whom men	number		494	482
		%		93%	92%
	of whom women	number		40	40
		%		7%	8%
	Fixed Term Employees (Other than permanent) + Trainees	number		21	209
	of whom men	number		16	176
		%		76%	84%
	of whom women	number		5	31
		%		24%	15%
	Workmen (Permanent)	number		693	619
	of whom men	number		666	574
		%		96%	93%
	of whom women	number		27	45
		%		4%	7%
	Turnover				
	Total employee turnover rate (%)	%		13.04%	13.70%
	Permanent Employees	%		8.10%	7.76%
	of whom men	%		8.40%	7.89%
	of whom women	%		4.72%	6.32%
	Permanent Workers	%		0.65%	0.55%
	of whom men	%			0.51%
	of whom women	%			2.37%
	Voluntary employee turnover rate (%)	%	0.00%	0.00%	8.73%
	Permanent Employees	%	0.00%	0.00%	7.29%
	of whom men	%	0.00%	0.00%	7.36%
	of whom women	%	6.28%	6.28%	6.28%
	Permanent Workers	%	0.00%	0.00%	0.54%
	of whom men	%	0.00%	0.00%	8.72%
	of whom women	%	0.00%	0.00%	6.37%
	Involuntary employee turnover rate (%)	%	0.00%	8.20%	0.06%
	Permanent Employees	%	0.00%	7.59%	0.05%
	of whom men	%	0.00%	7.74%	0.05%

GRI/EUSS	KPI	Unit	2021	2022	2023
	of whom women	%	0.00%	5.59%	0.00%
	Permanent Workers	%	0.00%	9.00%	8.53%
	of whom men	%	0.00%	9.57%	0.05%
	of whom women	%	0.00%	3.65%	0.00%
404-3	Employee Appraisal				
	Performance and Career development reviews				
	Board of Directors and KMP	number	10	6	5
	of whom men	number	10	6	5
		%	100%	100%	100%
	of whom women	number	0	0	0
		%	100%	100%	0%
	Top/ Senior management	number	510	49	44
	of whom men	number	497	43	43
		%	100%	100%	100%
	of whom women	number	13	1	1
		%	100%	100%	100%
	Middle management	number	3880	4250	3857
	of whom men	number	3695	4047	3675
		%	100%	100%	100%
	of whom women	number	185	203	182
		%	100%	100%	100%
	Lower/Junior management	number	9114	8766	7208
	of whom men	number	8411	8076	6611
		%	100%	100%	100%
	of whom women	number	703	690	597
		%	100%	100%	100%
Workmen	number	8427	7700	5384	
of whom men	number	7665	6961	4950	
	%	100%	100%	100%	
of whom women	number	762	739	434	
	%	100%	100%	100%	
	Training				
	Total hours (By gender and Emp category)				

GRI/EUSS	KPI	Unit	2021	2022	2023
404-1	Board of Directors and KMP	Number		9	0
	of whom men	Number		7	0
		Man-hours		84	0
	of whom women	Number		2	1
		Man-hours		60	6
	Top/ Senior management	Number	514	30	52
	of whom men	Number	502	30	51
		Man-hours	15276	978	3762
	of whom women	Number	12	0	1
		Man-hours	228	0	6
	Middle management	Number	3111	3806	3728
	of whom men	Number	3038	3632	3553
		Man-hours	110424	199254	232008
	of whom women	Number	73	174	175
		Man-hours	2664	9678	11322
	Lower/Junior management	Number	7093	7481	6727
	of whom men	Number	6469	6891	6200
		Man-hours	188964	446964	386334
	of whom women	Number	624	590	527
		Man-hours	18672	28554	32028
	Fixed Term Employees (Other than permanent) + Trainees	Number		511	988
	of whom men	Number		397	873
		Man-hours		64410	123900
	of whom women	Number		114	115
		Man-hours		27000	11334
	Workmen (Permanent)	Number	3248	5352	4532
	of whom men	Number	2936	4954	4202
		Man-hours	29868	110088	84966
	of whom women	Number	312	398	330
		Man-hours	3756	9342	7818
Total Training imparted	Man-hours	369852	896412	893496	
of whom men	Man-hours	344532	821778	830970	
of whom women	Man-hours	25320	74634	62526	

GRI/EUSS	KPI	Unit	2021	2022	2023
	Average training hours per employee	Man-hours/ emp	26	52	58
	of whom men	Man-hours/ emp	27	52	57
	of whom women	Man-hours/ emp	25	58	59
	Dissemination of sustainability				
	Training on aspects (only permanent employees)				
	Skill Upgradation	number	15317	1411	15824
	of whom men	number		1312	14692
		%		93%	93%
		Man-hours		15107	799116
	of whom women	number		99	1132
		%		7%	7%
		Man-hours		1293	59238
	Environment	number	941	549	415
	of whom men	number		492	396
		%		90%	95%
		Man-hours		6162	4332
	of whom women	number		57	19
		%		10%	5%
		Man-hours		618	222
	Supply Chain	number	1693	7	46
	of whom men	number		7	40
		%		100%	87%
		Man-hours		61	10320
	of whom women	number		0	6
		%		0%	13%
		Man-hours		0	1548
	Code of Ethics	number	1000	764	2581
	of whom men	number		679	2404
		%		89%	93%
		Man-hours		6590	17202
	of whom women	number		85	177
		%		11%	7%
		Man-hours		828	1518

GRI/EUSS	KPI	Unit	2021	2022	2023
BRSR 5.1 GRI 404-1	Training on Human Rights				
	Permanent Employee	number	47	1572	283
		%	0%	12%	2%
		Man-hours	536	16188	1848
	Permanent Workers	number	47	604	298
		%	1%	8%	4%
		Man-hours	624	4872	2616
	Other than Permanent Employee (Fixed Term) + Trainees	number		35	40
		%		3%	3%
		Man-hours		246	264
		Other than Permanent workers	number		
		%			
		Man-hours			
403-5	Training on Health and Safety				
	NTPC Employee	number	12190	11789	16224
		%	56%	57%	80%
		Man-hours	101595	68769	134631
	Contractual Workers	number	173971	214097	616348
	%	179%	201%	544%	
		Man-hours	1195080	1297459	2465392
201-3	CORPORATE WELFARE				
	Employees covered by pension plan (benefit plan)	number			20252
	Employees covered by pension plan (benefit plan)	%			93%
401-2	MATERNITY/PATERNITY-PARENTAL LEAVE				
	Employees (Including Workers) entitled to parental leave by gender				
	men	number	20278	19138	18623
	women	number	1663	1633	1629
	Parental leave by gender				
	men	number	664	644	701

GRI/EUSS	KPI	Unit	2021	2022	2023
401-3	women	number	164	130	290
	Return to work rate of employees that took parental leave by gender	%			
	men	%	100	100	100
	women	%	100	100	100
	Retention rate by gender	%			
	men	%	100	100	100
	women	%	100	100	100
405-2	Ratio of basic salary/remuneration Women/Men				
	Ratio of basic salary Women/Men	%			
	Board of Directors and KMP	%	100	100	100
	Top/ Senior management	%	100	100	100
	Middle management	%	100	100	100
	Lower/Junior management	%	100	100	100
	Workmen	%	100	100	100
	Ratio of remuneration Women/Men	%			
	Board of Directors and KMP	%	100	100	100
	Top/ Senior management	%	100	100	100
	Middle management	%	100	100	100
	Lower/Junior management	%	100	100	100
	Workmen	%	100	100	100
	405-3	Diversity of governance bodies and employees (Group)			
Specially Abled Employees					
Board of Directors and KMP		number	0	0	0
of whom men		number	0	0	0
		%	0%	0%	0%
of whom women		number	0	0	0
		%	0%	0%	0%
Top/ Senior management		number	0	0	0
of whom men		number	0	0	0
		%	0%	0%	0%
of whom women	number	0	0	0	

GRI/EUSS	KPI	Unit	2021	2022	2023
405-1		%	0%	0%	0%
	Middle management	number	23	29	35
	of whom men	number		28	34
		%		0.69%	97.14%
	of whom women	number		1	1
		%		0%	3%
	Lower/Junior management	number	173	160	187
	of whom men	number		145	171
		%		2%	91%
	of whom women	number		15	16
		%		2%	9%
	Workmen	number	384	346	344
	of whom men	number		296	296
		%		86%	86%
	of whom women	number		50	48
		%		14%	14%
	Fixed Term Employees	number		4	1
	of whom men	number		4	1
		%		100%	100%
	of whom women	number		0	0
		%		0%	0%
	Total	number	580	539	567
		Reserved Group (OBC/SC/ST Employees)			
		Board of Directors and KMP	number		
	of whom men	number	0	0	0
		%	0%	0%	0%
	of whom women	number	0	0	0
		%	0%	0%	0%
	Top/ Senior management	number	51	4	3
	of whom men	number		4	3
		%		8%	5%
	of whom women	number		0	0
	%		0%	0%	
Middle management	number	1214	1340	1328	

GRI/EUSS	KPI	Unit	2021	2022	2023
	of whom men	number		1281	1278
		%		32%	31%
	of whom women	number		59	50
		%		29%	24%
	Lower/Junior management	number	4365	4135	3770
	of whom men	number		3840	3493
		%		48%	44%
	of whom women	number		295	277
		%		43%	39%
	Workmen	number	4088	3897	2799
	of whom men	number		3518	2616
		%		18%	14%
	of whom women	number		379	183
		%		23%	11%
	Fixed Term Employees + Trainees	number		543	786
	of whom men	number		494	717
		%		54%	53%
of whom women	number		49	69	
	%		38%	48%	
Total	number	9718	9919	8686	
102-41	RELATIONS WITH UNIONS (Permanent Only)				
	Union membership in the electricity sector (Employee)	%		46.18%	53.12%
	Total Employees covered by collective agreements,	number		6036	6905
	Union membership in the electricity sector (Workers)	%		100%	100%
	Total Workers covered by collective agreements,	number		7700	7255
203-1	INITIATIVES IN FAVOR OF THE COMMUNITY				
	Contributions to communities				
	Total (expense + investments)	Rs. cr.	461.96	418.87	352.79
	NATURE OF SUPPLIERS				
	Supplier Base	number	16373	17372	9430

GRI/EUSS	KPI	Unit	2021	2022	2023
102-8	Domestic	number	12516	13455	
	Foreign	number	3857	3917	
	New suppliers enlisted	number	1060	3070	511
	Workforce of contracting and subcontracting companies	number	97442	106662	104302
204-1	Local suppliers of materials and services				
	Spending on local suppliers	Rs.cr.	34378	5976	69312
	Spending on foreign suppliers	Rs.cr.	434	103	261
	Concentration of spending on local suppliers	%	98.8%	98.3%	99.6%
	Concentration of spending on foreign suppliers	%	1.2%	1.7%	0.4%
	MSE Procurement	%	51%	43%	40%
	Procurement from Marginalised Group (SC/ST)	%	0.22%	0.32%	0.17%
	Procurement from Women	%	0.39%	0.63%	0.40%
	Purchases and fuel				
	Purchases of materials and services	Rs. cr.			
	Supplies	Rs. cr.			14474.59
	Works	Rs. cr.			13136.71
	Services	Rs. cr.			19194.52
	Fuel purchases	Rs. cr.			96851.50
	Gas	Rs. cr.		1682.71	3052.30
	Oil	Rs. cr.		1015.59	1495.00
	Coal/Lignite	Rs. cr.		63773.80	92081.38
Biomass	Rs. cr.		34.56	64.39	
SAFETY	Employees				
	Number of fatalities and frequency rate				
	Number of fatalities	number	1	1	1
	Fatalities frequency rate	(i)	0.021	0.021	0.024
	Number of "high-consequence" injuries (excluding fatalities) and frequency rate				
	Number of "high-consequence" injuries	number	0	1	1
	"High-consequence" injuries frequency rate	(i)	0.000	0.000	0.004

GRI/EUSS	KPI	Unit	2021	2022	2023
403-9	Other injuries and frequency rate				
	No. of Lost Time Injury	number	5	4	6
	Lost Time Injury Frequency Rate (LTIFR)	(i)	0.11	0.08	0.14
	No. of Recordable work-related injury or ill health	number	37	3	5
	Recordable Injury Rate	(i)	0.90	0.15	0.26
	Contractor Workers				
	Number of fatalities and frequency rate				
	Number of fatalities	number	6	4	4
	Fatalities frequency rate	(i)	0.02	0.02	0.02
	Number of “high-consequence” injuries (excluding fatalities) and frequency rate				
	Number of “high-consequence” injuries	number	0	1	1
	“High-consequence” injuries frequency rate	(i)	0.00	0.00	0.00
	Other injuries and frequency rate				
	No. of Lost Time Injury	number	27	22	15
	Lost Time Injury Frequency Rate (LTIFR)	(i)	0.11	0.08	0.07
	No. of Recordable work-related injury or ill health	number	0	35	15
	Recordable Injury Rate	(i)	0.11	0.22	0.13
	Total (Employee+ Contractor workers)				
	Number of fatalities and frequency rate				
	Number of fatalities	number	7	5	5
	Fatalities frequency rate	(i)	0.02	0.02	0.019
	Number of “high-consequence” injuries (excluding fatalities) and frequency rate				
	Number of “high-consequence” injuries	number	0	1	1
	“High-consequence” injuries frequency rate	(i)	0.00	0.00	0.004
	Other injuries and frequency rate				
	No. of Lost Time Injury	number	32	26	21
	Lost Time Injury Frequency Rate (LTIFR)*	(i)	0.11	0.08	0.079
No. of Recordable work-related injury or ill health	number	37	38	20	
Recordable Injury Rate*	(i)	0.24	0.20	0.15	

GRI/EUSS	KPI	Unit	2021	2022	2023
102-5	SHAREHOLDERS				
	Composition of shareholdings				
	Investors				
	Government of India	%	51.02	51.10	51.10
	Indian Financial Institutions/bank	%	11.41	0.44	0.22
	Mutual Funds	%	19.87	17.73	19.92
	Foreign Portfolio Investors/FII	%	12.64	14.74	15.60
	Resident Individuals	%	1.81	2.12	2.07
	Bodies Corporates	%	0.23	0.17	0.41
	Insurance Companies	%	2.16	12.58	8.90
	Trusts	%	0.51	0.01	0.01
	H U F	%	0.00	0.07	0.07
	Others	%	0.35	1.04	1.70
405-1	CORPORATE GOVERNANCE				
	Board of Directors (BoD)				
	Members of BoD by type				
	Executive members	number	6	6	5
	Govt. Nominee members	number	2	2	2
	Independent	number	2	4	4
	Women on BoD of the Group	number			
	Women on the BoD of NTPC	number	1	1	1
	Members of the BoD by age group				
	Under 30 years old	number	0	0	0
	30 - 50 years old	number	0	0	0
Over 50 years old	number	10	14	11	
BoD meetings	number	14	15	15	
205-3	Confirmed Bribery & Corruption cases related to	number			0
	Employees	number			0
	Suppliers/Contractors	number			9
	Actions taken in response to incidents of conflict of interest/corruption by law agencies	number			0

GRI/EUSS	KPI	Unit	2021	2022	2023
	of which: actions taken against employees in response to cases of conflict of interest/corruption	number			0
	of which: actions taken against contractors in response to cases of conflict of interest/corruption	number			0
	Innovation & R&D				
DMA EU/ BRSR 2.1	Patents Granted	number	22	28	33
	Copyrights Granted	number	9	10	15
	R&D Expenditure	Rs. Cr	185.78	222.48	283.45
	Research personnel	number	46	34	

* Per Million Man-hours worked