

## KGRTC Course Schedule for 2023\_v.0

### read in conjunction with KGRTC Course Handbook

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S/N	Course Name	Course Code	Duration (Weeks)	Fees	Course Dates	
				(USD)	Start	Finish
1.	Machinery Alignment and Balancing	MAB	1	2,000	30-Jan	03-Feb
2.	Power Line Design, Operations and Maintenance	PLDOM	3	3,000	06-Feb	24-Feb
3.	Power Systems Operations	PSO	3	4,000	13-Feb	03-Mar
4.	Distribution Power System Design and Operation	DPSDO	3	4,500	13-Feb	03-Mar
5.	Small Hydropower Development	SHD	3	4,000	20-Feb	10-Mar
6.	High Voltage Substation Design	HVSD	4	4,500	20-Feb	17-Mar
7.	Generator Inspection, Testing and Maintenance	GITM	2	3,000	27-Feb	10-Mar
8.	Certified Energy Auditing Training	CEAT	2	2,000	06-Mar	17-Mar
9.	SCADA Systems Management-Basic	SSM-B	2	3,000	06-Mar	17-Mar
10.	Hydropower Plant Operations and Control	HPOC	3	3,500	13-Mar	31-Mar
11.	Geographic Information Systems-Basic	GIS-B	2	3,000	20-Mar	31-Mar
12.	SCADA Systems Management-Advanced	SSM-A	2	3,000	20-Mar	31-Mar
13.	Substation Operations and Maintenance	SOM	3	3,500	20-Mar	07-Apr
14.	Power Quality and Systems Stability	PQSS	1	1,000	27-Mar	31-Mar
15.	Reliability Centred Maintenance	RCM	1	1,500	03-Apr	07-Apr
16.	High Voltage Substation Operations and Maintenance	HVSOM	4	4,500	10-Apr	05-May
17.	Construction Contracts and Power Purchase Agreements	CCPPA	1	100	10-Apr	14-Apr
18.	Off-Grid Solar System Design and Installation	OGSSDI	1	1,000	10-Apr	14-Apr
19.	Hydropower Plant Operations	HPO	10	7,000	24-Apr	30-Jun
20.	Applied Industrial Hydraulics	AIH	2	3,000	01-May	12-May
21.	AutoCAD Techniques for Practicing Professionals	ATPP	1	2,000	01-May	05-May
22.	Basic Line Work	BLW	1	1,500	01-May	05-May
23.	Maintenance Planning and Scheduling	MPS	3-Days	1,000	01-May	03-May
24.	Transmission Lines Design and Construction	TLDC	2	3,000	02-May	15-May
25.	Earthing Bonding and Lightning Protection	EBLP	1	1,500	08-May	12-May
26.	Laser Shaft Alignment	LSA	1	2,000	08-May	12-May
27.	Electricity Appreciation for Non-Technical People	EANTP	1	1,500	15-May	19-May
28.	Geographic Information Systems-Advanced	GIS-A	2	3,000	22-May	02-Jun
29.	Transmission Systems Operations and Maintenance	TSOM	3	3,500	05-Jun	23-Jun
30.	Cable Jointing and Termination	CJT	3	4,000	05-Jun	23-Jun
31.	Power Systems Planning	PSPg	3	4,000	05-Jun	23-Jun
32.	Revenue Protection Management and Prevention of Vandalism-Basic	RPMPV-B	1	1,500	12-Jun	16-Jun
33.	Safety, Health, Environment and Quality Management	SHEQM	2	3,000	12-Jun	23-Jun
34.	Hydropower Turbine Dynamics and Operations	HTDO	2	3,000	19-Jun	30-Jun
35.	Shutdown and Turnaround Management	SDTM	2	3,000	19-Jun	30-Jun
36.	Quality Management System Internal Auditors	QMSIA	1	1,000	19-Jun	23-Jun
37.	Hydropower Maintenance Routines	HMR	8	7,000	03-Jul	25-Aug
38.	High Voltage Substation Protection and Control	HVSPC	4	4,500	03-Jul	28-Jul
39.	Transformer and Maintenance and Testing	TSM	3	3,750	03-Jul	21-Jul
40.	Industrial Energy Efficiency	IEE	1	1,000	10-Jul	14-Jul
41.	Occupational Health and Safety Management	OHSM	1	1,000	10-Jul	14-Jul
42.	Environmental and Social Impact Assessment for Renewable Energy Projects	ESIARE	1	1,000	10-Jul	21-Jul
43.	Financial Modelling for Renewable Energy Projects	FMREP	1	1,000	10-Jul	14-Jul
44.	Energy Efficiency Management	EEM	2	3,000	17-Jul	28-Jul
45.	Machinery Vibration Monitoring and Analysis	MVMA	2	3,000	17-Jul	28-Jul
46.	Metering Solutions Technology and Installations	MSTI	2	3,000	17-Jul	28-Jul

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47.	Industrial Occupational Health and Safety Management	IOHSM	2	2,500	17-Jul	28-Jul
48.	Maintenance Management Systems	MMS	1	2,000	24-Jul	28-Jul
49.	Power Systems Protection	PSP	3	4,000	24-Jul	11-Aug
50.	Human Capital Management for Sustainability and Business Continuity	HCMSBC	1	1,500	24-Jul	28-Jul
51.	Procurement and Contracts Management	PCM	1	1,500	24-Jul	28-Jul
52.	Dam Safety Management	DSM	2	3,500	31-Jul	11-Aug
53.	Transformer and Motor Rewinding	TMR	3	4,000	31-Jul	18-Aug
54.	Divers and Rescue Training – Scuba Diving <sup>IMCA Certified</sup>	DRT-SD	2	3,500	31-Jul	11-Aug
55.	Customer Care	CC	3-Days	1,000	09-Aug	11-Aug
56.	High Voltage Regulations	HVR	2	3,000	14-Aug	25-Aug
57.	High Voltage Switching Operations	HVSO	2	3,000	14-Aug	25-Aug
58.	Distribution Systems Operations	DSO	3	4,000	14-Aug	01-Sep
59.	Asset Management, Business Governance and Compliance	AMBGC	1	1,000	14-Aug	18-Aug
60.	Microprocessor Logic Controls	MLC	3	4,000	28-Aug	15-Sep
61.	Business Planning for Independent Power Producers	BPIPPs	1	1,000	28-Aug	01-Sep
62.	Training of Trainers	ToT	1	1,500	28-Aug	01-Sep
63.	Aggregated Technical, Commercial and Collection Loss Reduction	ATCC-LR	2	3,000	04-Sep	15-Sep
64.	Control Room Operations for Hydropower Plants	CROHP	8	7,000	11-Sep	03-Nov
65.	Control Room Operations for Thermal Power Plants	CROTP	4	5,000	11-Sep	06-Oct
66.	Thermal Power Plant Operations and Maintenance	TPPOM	3	4,500	11-Sep	29-Sep
67.	Grid Integration of Renewable Energy Sources	GIRES	1	1,000	11-Sep	15-Sep
68.	Root Cause Analysis	RCA	1	1,000	11-Sep	15-Sep
69.	Geographical Information Systems for Energy Planning	GISEP	1	1,000	11-Sep	15-Sep
70.	Financial Management in Utilities	FMU	3-Days	1,000	11-Sep	13-Sep
71.	Gender Mainstreaming for Sustainable Development	GMSD	1	1,500	11-Sep	15-Sep
72.	Design and Optimization of Power Lines	DOPL	2	3,750	18-Sep	29-Sep
73.	Planning Renewable Energy Projects	PREP	1	1,000	18-Sep	22-Sep
74.	Switchgear Operations and Maintenance	SgOM	3	3,000	25-Sep	13-Oct
75.	Power System Controllers' Operations	PSCO	3	4,000	02-Oct	20-Oct
76.	Distribution Lines Maintenance	DLM	2	3,000	02-Oct	13-Oct
77.	Overhead Lines Inspection Techniques	OLIT	2	3,000	02-Oct	13-Oct
78.	Environmental Assessment and Information Management	EAIM	2	2,500	02-Oct	13-Oct
79.	High Voltage Transmission System Communication and Control	HVTSCC	4	4,500	09-Oct	03-Nov
80.	DC Power Systems Maintenance	DCPSM	1	1,500	09-Oct	13-Oct
81.	Distribution Lines Design and Construction	DLDC	2	3,000	16-Oct	27-Oct
82.	Power Trading and Energy Management	PTM	1	100	16-Oct	20-Oct
83.	Shift Charge Operations for Hydropower Plants	SCOHP	8	7,000	23-Oct	15-Dec
84.	Maintenance and Troubleshooting of Distribution Systems	MTDS	2	3,000	23-Oct	03-Nov
85.	Gas Turbines Technology, Green Fuels and Sustainable Energy	GTTGFSE	1	1,000	06-Nov	10-Nov
86.	Revenue Protection Management and Prevention of Vandalism-Advanced	RPMPV-A	1	1,500	06-Nov	10-Nov
87.	Environmental Compliance for Energy Projects, A Case of Hydropower	ECREP-HP	1	1,500	06-Nov	10-Nov
88.	Procurement and Materials Management in Utilities	PMMU	3-Days	1,000	06-Nov	10-Nov
89.	Shift Charge Operations for Thermal Power Plants	SCOTP	4	5,000	13-Nov	08-Dec

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90.	Instrumentation and Process Control	IPC	2	3,000	13-Nov	24-Nov
91.	Public Private Partnerships in the Energy Sector	PPES	1	1,500	13-Nov	17-Nov
92.	Electricity Distribution Network Management	EDNM	3	4,000	20-Nov	08-Dec
93.	Diesel Peaking Plant Operation and Maintenance	DPPOM	2	3,750	Request	Request
94.	Diploma in Hydropower Technology and Management	DipHTM	1.5 Years	TBA	Request	Request
95.	Generator Performance Dynamics	GPD	2	3,000	Request	Request
96.	Hydraulics and Turbine Regulations	HTR	3	3,500	Request	Request
97.	Hydropower Construction Management and Contracts	HPCMC	2	2,500	Request	Request
98.	Hydropower Dams for Practicing Professionals	HDPP	3-Days	1,500	Request	Request
99.	Hydropower Intake Operations	HIO	1	1,500	Request	Request
100.	Managing of Water Hyacinth and Siltation in Reservoirs	MWHSR	1	1,500	Request	Request
101.	Emergency Restoration System	ERS	3-Days	1,500	Request	Request
102.	Transmission Lines Maintenance	TLM	3	4,000	Request	Request
103.	Modern Distribution System Design and Planning	MDSDP	3	4,500	Request	Request
104.	Power Distribution Management	PDM	3	3,500	Request	Request
105.	Dense Wavelength Division Multiplexing	DWDM	1	1,500	Request	Request
106.	Telecommunication Systems -Fundamentals	TSF	1	1,500	Request	Request
107.	Telecommunication Systems -Advanced	TSA	1	1,500	Request	Request
108.	Fiber Optics for Telecommunication Applications	FOTA	1	1,500	Request	Request
109.	Fluid Flow and Centrifugal Pumps	FFCP	2	3,000	Request	Request
110.	Mechanical Design of Transmission and Distribution Lines	MDTDL	1	1,500	Request	Request
111.	MV Switchgear Operations and Maintenance	MVSOM	2	3,000	Request	Request
112.	Partial Discharge Testing Techniques	PDTT	1	2,000	Request	Request
113.	Power Project Analysis and Design (PPAD) – a Case of Wind Power Development and Use	PPAD-WP	1	2,000	Request	Request
114.	Power Quality Management Systems	PQMS	2	2,500	Request	Request
115.	Survey Data Analysis	SDA	1	2,000	Request	Request
116.	Surveying for Electricity Utility Applications	SEUA	3-Days	1,500	Request	Request
117.	Water Production and Management	WPM	3	4,000	Request	Request
118.	General Safety Training	GST	3-Days	1,000	Request	Request
119.	Health and Safety Leadership	HSL	3-Days	1,500	Request	Request
120.	Health Safety and Environment	HSE	1	1,500	Request	Request
121.	Quality Management Systems	QMS	3-Days	1,000	Request	Request
122.	Safety in Handling Hazardous Substances	SHHS	1	1,000	Request	Request
123.	Safety Representative Training	SRT	1	1,500	Request	Request
124.	Asset Management	AM	1	1,500	Request	Request
125.	Plant and Asset Management Systems	PAMS	1	1,000	Request	Request
126.	Electricity Business Value Chain Appreciation	EBVCA	1	1,500	Request	Request
127.	Insurance for Electricity Utilities	IEU	1	1,500	Request	Request
128.	Operations and Maintenance Management	OMM	1	1,500	Request	Request
129.	Operations and Production Management	OPM	1	1,500	Request	Request
130.	Power Purchase Agreements and Concessions	PPAC	1	2,000	Request	Request
131.	Project Management	PM	1	1,500	Request	Request
132.	Report Writing and Document Handling	RWDH	1	1,500	Request	Request
133.	Standardization of the Electricity Supply Chain	SESC	1	1,000	Request	Request
134.	Strategic Management	SM	3-Days	1,500	Request	Request
135.	Supervisory Leadership	SL	1	1,000	Request	Request

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