

ATTENDANCE OF NATIONAL COMMITTEES AT CONGRESS & ANNUAL MEETINGS								
Participation des Comités Nationaux aux Congrès & Réunions Annuelles								
G ^{al} Ass. Ass. G ^{ale}		VENUE / Lieu	YEAR Année	MEMBER COUNTRIES / Pays Membres				
				Nb	ATTENDANCE / Participation		TOTAL	
G ^{al} Ass. / Ass. G ^{ale}								
N°	Nb				%	Nb	%	
	36	STAVANGER	1968	62	39	63%		
	37	WARSAW/Varsovie	1969	64	36	56%		
C10	38	MONTREAL	1970	66	45	68%	48	73%
	39	DUBROVNIK	1971	66	44	67%		
	40	CANBERRA/Canberra	1972	67	37	55%		
C11	41	MADRID	1973	69	55	80%	63	91%
	42	ATHENS/Athènes	1974	70	48	69%		
	43	TEHRAN/Téhéran	1975	74	46	62%		
C12	44	MEXICO CITY/Mexico	1976	74	44	59%	55	74%
	45	SALZBURG/Salzburg	1977	74	46	62%		
	46	CAPE TOWN/Le Cap	1978	71	29	41%		
C13	47	NEW DELHI	1979	71	48	68%	52	73%
	48	ROME	1980	69	43	62%		
	49	STOCKHOLM	1981	71	48	68%		
C14	50	RIO DE JANEIRO	1982	71	50	70%	55	77%
	51	LONDON/Londres	1983	74	42	57%		
	52	TOKYO	1984	75	42	56%		
C15	53	LAUSANNE	1985	77	68	88%	73	95%
	54	JAKARTA	1986	77	44	57%		
	55	BEIJING/Pékin	1987	76	51	67%		
C16	56	SAN FRANCISCO	1988	78	54	72%	66	85%
	57	COPENHAGEN/Copenhague	1989	77	54	70%		
	58	SYDNEY	1990	78	53	70%		
C17	59	VIENNA/Vienne	1991	78	64	82%	68	87%
	60	GRANADA/Grenade	1992	78	62	79%		
	61	CAIRO/Le Caire	1993	81	62	77%		
C18	62	DURBAN	1994	82	64	78%	67	82%
	63	OSLO	1995	83	59	71%		
	64	SANTIAGO	1996	81	55	68%		
C19	65	FLORENCE	1997	80	60	75%	77	96%
	66	NEW DELHI	1998	81	52	64%		
	67	ANTALYA	1999	81	57	70%		
C20	68	BEIJING/ Pékin	2000	80	62	77%	65	81%
	69	DRESDEN/Dresde	2001	80	51	64%		
	70	IGUASSU	2002	82	51	62%		
C21	71	MONTREAL	2003	82	51	62%	58	70%
	72	SEOUL	2004	82	57	69%		
	73	TEHRAN/ Téhéran	2005	82	51	62%		
C22	74	BARCELONE	2006	85	61	71%	72	85%
	75	St. PETERSBURG/ st Pétersbourg	2007	88	58	66%		
	76	SOFIA	2008	88	54	61%		
C23	77	BRASILIA	2009	90	63	70%	75	83%
	78	HANOI	2010	92	53	58%		
	79	LUCERNE	2011	95	67	71%		
C24	80	KYOTO	2012	95	64	67%	72	76%
	81	SEATTLE	2013	96	60	62%		
	82	BALI	2014	97	62	64%		
C25	83	STAVANGER	2015	97	62	64%	71	73 %
	84	JOHANNESBURG/ Johannesburg	2016	97	62	64%		
	85	PRAGUE	2017	100	56	56%	72	72 %
C26	86	VIENNA	2018	100				
	87	OTTAWA	2019	100	59	59 %	76	76 %

Annexe 2

ELECTION OF ICOLD OFFICERS AS FROM 1973 – ELECTION DES MEMBRES DU BUREAU DE LA CIGB DEPUIS 1973

Cong.	Years	Venues	Presidents								Vice-Presidents						Sec. Gal
11	1973	MADRID	C. GRONER	Eu	N. NICOLAIDIS	Eu	"	As	J.P. KRIEL	O	"	Am	"	Eu	"	Af Au	"
	1974	Athens	"	Eu	"	Eu	"	As	"	O	C. DAGENAIS	Am	L. VOTRUBA	Eu	"	Af Au	"
	1975	Tehran	"	Eu	"	Eu	Y. MURTHY	As	"	Af. Au	"	Am	"	Eu	G. CRUICKSHANK	X-O	"
12	1976	MEXICO	F LYRA	Am	P. LONDE	Eu	"	As	E. LARTEY	Af. Au	"	Am	"	Eu	"	O	"
	1977	Salzburg	"	Am	"	Eu	"	As	"	Af. Au	O. KORVENKONTIO	O	G. OBERTI	Eu	"	Am	"
	1978	Cape Town	"	Am	"	Eu	P. RAJ	As	"	Af. Au	"	O	"	Eu	W. BINGER	Am	J. COTILLON
13	1979	NEW DELHI	P. LONDE	Eu	J. ORTEGA	O	"	As	L. BELBACHIR	Af. Au	"	Eu	"	Eu	"	Am	"
	1980	Rome	"	Eu	"	O	"	As	"	Af. Au	O. RAMBERT	Eu	R. URBISTONDO	Eu	"	Am	"
	1981	Stockholm	"	Eu	"	Am	LI Eding	As	"	Af. Au	"	Eu	"	Eu	D. FERNANDES	X-O	"
14	1982	RIO	C. DAGENAIS	Am	S. ICHIURA	O	"	As	W. SHENOUDA	Af. Au	"	Eu	"	Eu	"	Am	"
	1983	London	"	Am	"	O	"	As	"	Af. Au	S. HULTIN	Eu	D.J. COATS	Eu	"	Am	"
	1984	Tokyo	"	Am	"	As	G. LOMBARDI	X-O	"	Af. Au	"	Eu	"	Eu	E. AISIKS	Am	"
15	1985	LAUSANNE	G. LOMBARDI	Eu	M. UMAR	As	"	O	A. CHAOUI	Af. Au	"	Eu	"	Eu	"	Am	"
	1986	Jakarta	"	Eu	"	As	J. CABANIUS	Eu	"	Af. Au	A. WICKHAM	O	W. PIRCHER	Eu	"	Am	"
	1987	Beijing	"	Eu	"	As	M. DOLCETTA	Eu	"	Af. Au	"	O	"	Eu	J. VELTROP	Am	"
16	1988	SAN FRANCISCO	J. VELTROP	Am	C. SHEN	As	"	Eu	J. L. SERAFIM	O	"	Af Au	"	Eu	"	Am	"
	1989	Copenhagen	"	Am	"	As	"	Eu	"	Eu	T. KABEL	Af Au	V. SEMENKOV	O	F.L. MIGUEZ	Am	"
	1990	Sydney	"	Am	"	As	A. BOZOVIC	O	"	Eu	"	Af Au	"	O	G. MARINIER	Am	"
17	1991	VIENNA	W. PIRCHER	Eu	C.V.J. VARMA	As	"	Eu	F.M.G. BUDWEG	O	"	Af Au	"	Eu	"	Am	"
	1992	Granada	"	Eu	"	As	"	Eu	"	O	T. van ROBBROECK	Af Au	J.L. GUITART	Eu	"	Am	"
	1993	Cairo	"	Eu	"	As	E.T. HAWS	Eu	"	Am	"	Af Au	"	Eu	A. SHALABY	O	"
18	1994	DURBAN	T. van ROBBROECK	Af. Au	A. KAZI	As	"	Eu	R. KRAMER	Am	"	Af Au	"	Eu	"	O	"
	1995	Oslo	"	Af. Au	"	As	"	Eu	"	Am	G. NOGUERA	O	K. HOEG	Eu	"	Af Au	"
	1996	Santiago	"	Af. Au	"	As	M. CADEDDU	X-Eu	"	Am	"	O	"	Eu	R. MOCHEBELELE	Af Au	J. LECORNU
19	1997	FLORENCE	K. HOEG	Eu	J. ZHANG	As	"	Eu	H. ROO	O	"	Am	"	Eu	"	Af Au	"
	1998	New Delhi	"	Eu	"	As	"	Eu	"	Am	B. FARHANGI	O	G.P. SIMS	Eu	"	Af Au	"
	1999	Antalya	"	Eu	"	As	M. TURFAN	Eu	"	Am	"	O	"	Eu	A. WILLIAMS	Af Au	"
20	2000	BEIJING	C.V.J. VARMA	As	L. BERGA	O	"	Eu	C.B. VIOTTI	Am	"	As	"	Eu	"	Af Au	"
	2001	Dresden	"	As	"	Eu	"	Eu	"	Am	K. BABA	As	R. LAFITTE	O	"	Af Au	"
	2002	Fos do Iguaçu	"	As	"	Eu	G. VERZENI	X-O	"	Am	"	As	"	Eu	C.P. ROBERTS	Af Au	"
21	2003	MONTREAL	C.B. VIOTTI	Am	C.B. ABADJIEV	Eu	"	Am	J. JIA	O	"	As	"	Eu	"	Af Au	A. BERGERET
	2004	Seoul	"	Am	"	Eu	"	Am	"	As	Y.N. YOON	O	A. HUGHES	Eu	"	Af Au	"
	2005	Tehran	"	Am	"	Eu	A. WALZ	Am	"	As	"	O	"	Eu	A. NOMBRE	Af Au	"
22	2006	BARCELONA	L. BERGA	Eu	B. TARDIEU	Eu	"	Am	E. MAURER	O	"	As	"	Eu	"	Af Au	M. DE VIVO
	2007	St Petersburg	"	Eu	"	Eu	"	Am	"	O	N. MATSUMOTO	As	M. BARTSCH	Eu	"	Af Au	"
	2008	Sofia	"	Eu	"	Eu	A. MARULANDA	O	"	Am	"	As	"	Eu	P. MULVIHILL	Af Au	"
23	2009	BRASILIA	J. JIA	As	G. RUGGERI	Eu	"	Am	E. EKPO	O	"	As	"	Eu	"	Af Au	"
	2010	Hanoi	"	As	"	Eu	"	Am	"	O	PHAN HONG GIANG	As	W. FLOGL	Eu	"	Af Au	"
	2011	Lucerne	"	As	"	Eu	A. PUJOL	Am	"	Af. Au	"	As	"	Eu	T. SAKAMOTO	X-O	"
24	2012	KYOTO	A. NOMBRE	Af	A. SCHLEISS	Eu	"	Am	G. BASSON	Af	"	AsAu	"	Eu	"	O	"
	2013	Seattle	"	Af	"	Eu	"	Am	"	Af	A. ZIELINSKI	O	J. POLIMON	Eu	"	AsAu	"
	2014	Bali	"	Af	"	Eu	L. LIA	O	"	Af	"	Am	"	Eu	K.T. YUM	AsAu	"
25	2015	STAVANGER	A. SCHLEISS	Eu	M. ROGERS	O	"	Eu	A.F. CHRAIBI	Af	"	Am	"	Eu	"	AsAu	"
	2016	Johannesburg	"	Eu	"	Am	"	Eu	"	Af	J. ZHOU	O	M. LINO	Eu	"	AsAu	"
	2017	Prague	"	Eu	"	Am	G. ZENZ	Eu	"	Af	"	AsAu	"	Eu	J.P. TOURNIER	Am	"
26	2018	VIENNA	M. ROGERS	Am	A. NOORZAD	O	"	Eu	M. ABEBE	Af	"	As/Au	"	Eu	"	Am	"
	2019	Ottawa	"	Am	"	"	"	Eu	"	Af	D.K. SHARMA	0	E. CIFRES	Eu	"	Am	"
	2020	New Delhi	"	Am	"	"	Election	0	"	Af	"	"	"	Eu	Election	Am	"

X = for Congress host/ au titre du Congrès

Am = America

O = 6th post/ 6ème poste

Af = Africa

Eu = Europe

AsAu = Asia/Australasia

LIST OF 8 PROPOSALS OF QUESTIONS (THEMES), TO BE VOTED AT OTTAWA 2019 ANNUAL MEETING, FOR THE MARSEILLE 2021 CONGRESS.

LISTE DE 8 PROPOSITIONS DE QUESTIONS (THÈMES), A VOTER A LA RÉUNION ANNUELLE D'OTTAWA 2019, POUR LE CONGRÈS DE MARSEILLE 2021

President Question: Concrete Dams Design Innovation and Performance

a/ Innovations for arch dam analysis, design and construction; including RCC arch and arch-gravity dams.

b/ Innovations for construction materials and placement methods for concrete dams, including RCC and Cemented Material Dams (Hardfill, CSG, CSGR, Concreted Rockfill Dams) : design, material selection, quality control, cost and performance.

c/ Innovations for raising existing concrete dams.

d/ Design of flood management during construction

e/ Innovations for extremely high concrete dams

f/ Operational performance of concrete dams: first impounding, problems encountered including failures, aging and pathologies, durability, long-term performance, seepage behaviour, seismic performance, removals, etc.

Question du Président : Innovation dans la conception et performance des barrages en béton

a/ Innovations pour l'analyse, la conception et la construction des barrages voûtes ; y compris les barrages en BCR et les barrages poids-voûtes.

b/ Innovations relatives aux matériaux de construction et aux méthodes de mise en place pour les barrages en béton, y BCR et barrage en matériaux cimentés (remblai dur, CSG, CSGR, barrage en enrochements bétonnés): conception, choix des matériaux, coût et performance.

c/ Innovations pour la surélévation des barrages en béton existants.

d/ Conception du contrôle des crues pendant la construction

e/ Innovation pour les barrages en béton de hauteur extrême

f/ Performance opérationnelle des barrages en béton: première mise en eau, problèmes rencontrés y compris les ruptures, vieillissement et pathologies, durabilité, performance à long terme, comportement hydraulique, performance sismique, déconstruction, etc.

Theme B: Incidents and Accidents concerning dams

a/ Recent lessons from incidents and accidents concerning dams under construction or in operation

b/ Evaluation of the flow and flood downstream, estimation and quantification of the consequences, including social, economic and environmental, in case of failure.

c/ Emergency planning: regulation, organisation, information of the population and examples of implementation

d/ Governance of the safety: definition of the responsibilities - owners, authorities - periodic audits, implementation tests - organization of feedback

Note: the question does not address waste and tailing dams.

Thème B : Incidents et Accidents concernant les barrages

a/ Leçons récentes tirées des incidents et accidents de barrages en construction ou en exploitation

b/ Evaluation des débits et de l'inondation à l'aval, estimation et quantification, y compris du point de vue social, économique et environnemental, des conséquences en cas de rupture.

c/ Plans d'urgence : réglementation, organisation, information des populations et exemples de mise en œuvre

d/ Gouvernance de la sécurité : définition des responsabilités - propriétaires, autorités – vérifications périodiques, essais de mises en œuvre – organisation du retour d'expérience

Nota : la question ne concerne pas les barrages de stériles.

Theme C: Surveillance, Instrumentation, Monitoring and Data acquisition

a/ Long term performance of existing surveillance systems including reliability and accuracy; importance of visual inspections in proper surveillance

b/ New technology in dam and foundation surveillance and its future sustainability, including data processing systems and evaluation of behavior

c/ Data acquisition and processing to predict and identify dam incident

d/ Understanding and handling of large data information, including artificial intelligence approach

Thème C : Surveillance, Instrumentation, Auscultation et acquisition des données

a/ Performances à long terme des systèmes de surveillance existants, y compris leur fiabilité et leur précision; importance des inspections visuelles pour une surveillance efficace

b/ Nouvelles technologies pour la surveillance des barrages et des fondations et leur durabilité, y compris les systèmes de traitement de données et l'évaluation du comportement

c/ Acquisition et traitement de données pour prévoir et identifier les incidents de barrage

d/ Analyse et traitement de grandes quantités d'informations, y compris l'approche par l'intelligence artificielle

Theme D: Dams and Climate Change

a/ Impacts of climatic change on existing dams and reservoirs and remedies; case studies and costs.

b/ Impacts of climatic change on needs and designs of dams, reservoirs and levee (seasonal water storage, floods mitigation, oceans raising).

c/ Favourable impacts of dams on the climatic change. CO2 reduction by optimisation of Hydroelectric Production. Needs, Potential and Cost of Energy Storage by P.S.P.

d/ Unfavourable impacts of dams and reservoirs on climatic Change: Evaluation of CO2 emissions by Reservoirs and Dams Construction.

Thème D : Barrages et Changement Climatique

a/ Impacts du changement climatique sur les barrages et réservoirs existants et adaptation correspondante : cas d'études et couts.

b/ Impacts du changement climatique sur les besoins et la conception de nouveaux barrages, réservoirs et digues (stockage d'eau, contrôle des crues, montée des océans).

c/ Impacts favorables des barrages sur le changement climatique : réduction de Co2 par l'optimisation de la production hydraulique. Besoins, potentiel et cout du stockage d'énergie par S.T.E.P.

d/ Impacts défavorables des barrages et réservoirs sur le changement climatique : Bilan des émissions de CO2 par les réservoirs et la construction des barrages.

Theme E: The future of embankment dam and levees

a/ Innovation in design and construction of embankment dams and levees, including flood control during construction

b/ Internal erosion in embankment dams and levees: lessons from accidents and design criteria

c/ Design and construction of embankment dams and levees in exceptional conditions: very dry or very humid climates, special foundations, unusual materials, highly seismic zone

d/ Innovation for very high embankment dams

Thème E : L'avenir des barrages et des digues en remblais

a/ Innovation dans la conception et la construction des barrages en remblais et des digues, y compris le contrôle des crues pendant les travaux

b/ L'érosion interne dans les barrages en remblais et les digues : leçons des accidents et critères de conception

c/ Conception et construction des barrages ou digues en remblais en conditions exceptionnelles : climat très sec ou très humide, fondations spéciales, matériaux inusuels, zone fortement sismique

d/ Innovation dans les barrages en remblai de très grande hauteur

Theme F: Tailings dams

a/ Recent lessons learned from accidents concerning tailings dams: design, organisation, emergency planning, regulations, human factor.

b/ Design, construction and technologies for safe tailings dams

c/ Organisation of the surveillance and operation of tailings dams

d/ Design for closure and long-term safety of tailings dams

Thème F : Barrages de stériles

a/ Leçons récentes tirées des accidents de barrages de stériles : conception, organisation, plans d'urgence, réglementation, facteur humain.

b/ Conception, construction et technologies pour des barrages de stériles sûrs

c/ Organisation de la surveillance et de l'exploitation des barrages de stériles

d/ Conception de la fin d'exploitation et mise en sécurité à long terme des barrages de stériles

Theme G: Social risk and dam acceptability

- a/ Following land use planning principles in selecting dam location
- b/ Resettlements experiences around the world and best practices
- c/ Regional and international environmental and population impacts of constructing large dams on international shared rivers
- d/ International experiences on scientific interaction and co-operation with the people and organizations opposed to dam construction

Thème G : Risques sociaux et acceptabilité des barrages

- a/ Prise en compte des principes de planification de l'utilisation des terres dans la sélection de l'emplacement du barrage
- b/ Expériences de réinstallation à travers le monde et meilleures pratiques
- c/ Impacts régionaux et internationaux sur l'environnement et les populations de la construction de grands barrages sur des fleuves internationaux partagés
- d/ Expériences internationales en matière d'interaction scientifique et de coopération avec les personnes et les organisations opposées à la construction de barrages

Theme H: Dams in unusual or extreme conditions

a/ Operation and safety of cascaded schemes

b/ Effects of landslides in the reservoir ((kinematic, waves created by the landslide...) or upstream (risk of failure of natural dams and effect downstream)

c/ Dams under extreme climates

d/ Effect of floating debris, especially during floods

Thème H : Barrages en conditions inhabituelles ou extrêmes

a/ Gestion et sûreté des barrages en cascades

b/ Effets des glissements de terrains dans le reservoir (cinétique, vagues créées par le glissement..) et à l'amont (risque de rupture de barrages naturels et effet à l'aval)

c/ Barrages sous des climats extrêmes

d/ Effet des corps flottants, notamment à l'occasion des crues

Email: DWD@DWD
 Fax: 505942
 Telephone General: 505942
 Hon Minister Direct: 504621
 Hon Minister of State (Water): 222572
 Hon Minister of State (Environment): 222514
 Permanent Secretary: 505945



The Republic of Uganda

MINISTRY OF WATER
 AND ENVIRONMENT
 P. O. Box 20026
 KAMPALA - UGANDA

The Secretary General
 International Commission on Large Dams
 61, Avenue Kleber 75116
 PARIS

1st August 2018

Dear sir,

RE: APPLICATION FOR ICOLD MEMEBRSHIP

We are pleased to notify you that a "Uganda Committee on Large Dams" (UCOLD) has been formed in the Republic of Uganda and that UCOLD wishes to apply for membership to the International Commission on Large Dams (ICOLD).

We have read the ICOLD Constitution and By-Laws and fully accept the provisions therein. We would be most pleased to work with ICOLD on all matters related to Large Dams. On election to ICOLD, we shall prepare a detailed Register of Large Dams in Uganda for inclusion in the World Register. We however have attached a summary of the current large dams in Uganda in Appendix 2.

The particulars of key officers of the National Committee are as follows:

Chairperson: Dr. Callist Tindimugaya

Title: Commissioner, Water Resources Planning and Regulation,
 Ministry of Water and Environment

Vice Chairperson: Dr. Eng. Harrison.E. Mutikanga

Title: Chief Executive Officer, Uganda Electricity Generation Company Limited

Secretary: Eng. Fredrick Wasike

Title: Senior Dam Safety Engineer, Uganda Electricity Generation Company Limited

Address: C/o Uganda Electricity Generation Company Ltd. Block C, Plot 6-9 Okot Close –
 Victoria Office Park, P.o.Box 75381, Kampala Uganda

Tel.: +256(0) 312 237 165

E-mail: UCOLD@ugecl.co.ug

A copy of the Constitution of the Ugandan Committee on Large Dams is enclosed and the initial list of members is shown in Appendix 1.

We trust you will treat this letter as our official application for membership of ICOLD and positively consider our application on the Agenda of the 87th General Assembly in Ottawa, Canada June 2019.

Please accept our sincere thanks for your support to UCOLD membership of ICOLD.

Sincerely,

Dr. Callist Tindimugaya
CHAIRPERSON, UCOLD

APPENDIX 1

COMMITTEE MEMBERS

PROPOSED COMMITTEE MEMBERS FOR THE NATIONAL COMMITTEE ON LARGE DAMS

Organization	Position	Name	Email
Directorate of Water resources Development	Committee Chairperson (Officer)	Dr. Callist Tindimugaya	callist.tindimugaya@mwe.go.ug
Uganda Electricity Generation Company Limited (UEGCL)	Committee Vice President	Dr.Eng. Harrison .E. Mutikanga	hmutikanga@uegcl.co.ug
Uganda Electricity Generation Company Limited	Committee Secretary (Officer)	Fredrick Wasike	fwasike@uegcl.co.ug
Bujagali Energy Limited	Committee Secretary (Officer)	John Berry	jberry@bel.co.ug
Representative from Ministry of Water	Committee Member	Cheptoek David	David.cheptoek@gmail.com
Representative from Eskom Uganda Limited	Committee Member	Anne Gitta Nankanja	Anne.Gitta@eskom.co.ug

Note: The committee shall be expanded to include local community leaders once we obtain their consent.

APENDIX 2

Brief description of the existing Large dams in Uganda

1. Nalubaale Hydro Power Dam (180MW)

No	Descriptions	Units/ Parameters
	Dam Type	Concrete gravity dam
1	Reservoir	
	catchment area	267,000km ²
	Lake area	67,000Km ²
	Lake mean depth	40m
2	Turbine generator	
	Total Number	10
	Design Head range	17.5-22m
	Output per unit	18MW
2	Sluices	
	Size	3m x 5.1m
	Design discharge	212m ³ /s
4	Dam	
	crest road level	1136.15 masl
	Nominal minimum dam foundation level	1108.00 masl
	Length of Gravity Dam	726m
5	Year of Commissioning	1964

2. Kiira Power Station Dam (200MW)

	Descriptions	Dimensions
	Dam type	Composite
1	Reservoir	
	catchment area	267,000km ²
	Lake area	67,000Km ²
	Lake mean depth	40m
	Canal Length, depth, width	1.6Km, 20m, 150m
2	Turbine generator	
	Total Number	5
	Design Head	19.0 - 24.2 m
	Output per unit	40MW
3	Sluices	
	Size	10m x 10.35m

	Design discharge	580m ³ /s
4	Dam	
	crest level	1137 masl
	Nominal minimum dam foundation level	1101.00 masl
	Length of Gravity Intake Dam	210m
5	Year of Commissioning	2000

3. Bujagali Hydro Power Dam (250MW)

No	Descriptions	Units/ Parameters
	Dam Type	Composite (Embankment and Concrete gravity)
1	Reservoir	
	Storage	7.6 M m ³
2	Turbine generator	
	Total Number	5
	Output per unit	50MW
	Gross head	22m
3	Spillway main	
	Radial spillway discharge	3000m ³ /s
	Flap gates	1500 m ³ /s
4	Dam	
	Dam Height	30 m
	Embankment Length	575 m
	Length of Gravity Dam	165 m
5	Year of Commissioning	2008

4. Isimba Hydro Power dam (183.3 MW)

No	Descriptions	Dimensions
	Dam Type	Composite(Embankment& Concrete Gravity
1	Reservoir	
	Storage	170M m ³
2	Turbine generator	
	Total Number	4
	Rated head	15.1
	Output per unit	45.75 MW
3	Spillways	
	Design discharge (Total)	1375 m ³ /s
4	Dam	
	crest level	1057.50 masl
	Dam Height (maximum)	26.5
	Length of Gravity Dam	1625m

5	Year of Commissioning	2019 (planned) – under construction

5. Karuma Hydro Power Dam (600MW)

No	Descriptions	Dimensions
1	Reservoir	
	Catchment area	346,000 km ²
	Total storage capacity	7987 x 10 ⁴ m ³
	Dead storage capacity	3434 x 10 ⁴ m ³
	Effective storage Capacity of reservoir	4553 x 10 ⁴ m ³
2	Turbine generator	
	Total Number	6
	Gross head	70
	Output per unit	100 MW
3	Spillway	9 No; WES type practical weir
	Size	10m (width)
	Design Flood discharge	4700 m ³ /s
4	Dam	
	Dam crest Elevation	1032 m
	Dam height	14 m
	Length of Gravity Dam	314.43 m
5	Year of Commissioning	2019 (planned) – under construction

THE REPUBLIC OF UGANDA
RULES OF UGANDA COMMITTEE ON LARGE DAMS

CHAPTER I

NAME, PRINCIPLE AND OBJECTIVE

Article 1: Name

Name of the organization in Uganda: **UGANDA COMMITTEE ON LARGE DAMS**

International Transaction in Uganda: **UGANDA COMMITTEE ON LARGE DAMS**

Abbreviation in English: **UCOLD**

Article 2: Principle and Objective

Uganda Committee on Large Dams or committee in short is a professional organization assembling organizations and individuals, who are interested in such fields of activity in connection with the development of large dams as research, planning, surveying, designing, building, manufacturing equipment and materials, information technology, environment, management, business etc.) and who voluntarily join it for the purpose of :

- Enhancing professional enthusiasm and sense of responsibility
- Exchanging professional information and experience, and investment of occupation
- Making professional consultations and social examination
- Enlarging scientific and technological cooperation and investment collaboration for the development of safe, sustainable and effective large dams in Uganda

Article 3

Uganda Committee on Large Dams cooperates with and joints other scientific and technological organizations in Uganda, in the region and in the world in accordance with legal regulations of the Republic of Uganda and International Practice.

Article 4

Uganda Committee on Large Dams operates nation-wide, is a legal entity and has its office based in Kampala. It has its own logo, seal, property, finance and bank account (in Ugandan shilling and foreign currencies)

CHAPTER II

TASK AND AUTHORITY

Article 5: Task of the committee

- 1) Encourage the enthusiasm and creative ability of its own members enhancing their sense of responsibility in order to develop large dams with high value in investment, safe exploitation in comprehensive use and sustainable ecology
- 2) Encouraging and helping its members to improve their professional qualifications (techniques and management etc.) in order to contribute to the training of high quality human resource for the development of large dams in Uganda
- 3) Informing propagating and popularizing and knowledge in scientific and technological fields relating to the development of large dams
- 4) Effecting consultancy, anti-thesis and contribution of remarks to State agencies on the lines, structures, policies, project planning, building and managing the operation of large dams in accordance with legal obligations
- 5) Strengthening its relationship with the International Committee on Large Dams-ICOLD and other international organizations in accordance with state regulations
- 6) Protecting the legitimate rights of its member organizations and members in their professional activities.

Article 6: Authority of the Committee

- 1) Convening congress and conference, and establishing its member organizations
- 2) Conducting seminars for experience exchange and popularization, and for presenting research results and new achievements in the development of large dams
- 3) Appointing its members to take part in conferences, seminars and working groups inside and outside the country on large dams in accordance with current regulations.
- 4) Conducting professional crash courses and training for its members and people who have a need, in the fields relating to the development of large dams
- 5) Making remarks on the policies, programmes, projects as well as petitions for solutions to the state on the development of large dams to serve socio-economic objectives.
- 6) To perform consultation, counter-argument, appraisal and technical control for large dams socially and professionally.
- 7) To co-ordinate its activities with organizations and individuals domestic and foreign, in order to exchange information and to do research together and invest for large dams.
- 8) To carryout economic activities in conformity with the stipulations of the law by means of consultations, information, productive and managerial services (planning, design, application and transfer of technical achievements and advanced technologies etc. cooperation and co-investment for large dams)
- 9) To publish printed matters, research works, consultative documents and to popularize professional knowledge in conformity with the stipulations of the law on publications
- 10) To use legal sources of income

11) To issue cards and professional certificates for its members

12) To commend or penalize members and its affiliate organizations

CHAPTER 3

MEMBERSHIP

Article 7: Members

Ugandan organizations and individuals as Ugandan citizens taking part in fields relating to Large Dams in Uganda or approving the regulations of UCOLD and voluntarily register to join the UCOLD might become its member.

1. Collective members are collectives or organization doing research, training, consultative and constructional works, manufacturing equipment and carrying out managerial or business activities in various economic sectors.

Individual members are managers, scientists, specialists, technologists, businessmen and social activities

2. Collective or individual members of other associations, if they approve UCOLD's regulations and voluntarily join UCOLD may be admitted into UCOLD.

3. Members(collective and individual) may be classified as follows

❖ **Official members** are domestic ones eligible for fully taking part in activities and decisions for the UCOLD's issues

❖ **Associate members** are those who live outside the country, have enthusiasm to contribute to the committee but are unable to fully participate in UCOLD's activities

❖ **Honorary members** are prestigious and highly professional individuals but are unable to directly participate in UCOLD's activities. These people might become UCOLDs Honorary members.

These two last categories have neither right to join the election or stand for its executive board or the main posts of the committee, nor rights to vote for important matters.

Article 8: Member's tasks

1) To observe UCOLD's regulations, carry out its directives or decisions and to actively participate in activities of the committee according to their capabilities and to appointment of the committee. To join common activities and pay their dues.

2) To instantly cultivate their professional knowledge and honor the moral quality of the professional

3) To defend the honor and legal interest of the committee, to encourage everybody to respond to the committee's activities and pay attention to recruiting new members.

4) + In case associate members would like to withdraw their membership, they should send their application to the committee

+ Collective and individual members might be expelled from the committee when they infringe upon the law or upon the committee's regulations, or when their membership is in abeyance, their assets are liquidated or their business go into bankruptcy.

Article 9: Member's rights

- 1) To join the activities of the committee, to discuss its work, to vote or nominate leading organs of the committee.
- 2) To enjoy material or spiritual rights corresponding to their contribution to the committee.
- 3) To obtain the committee's assistance, supply of information and to be improved in terms of professional level towards the development of large dams.
- 4) To enjoy the committee's sponsorship and assistance to carry out their initiatives, inventions or research works in line with the committee's capacity.
- 5) To get the committee's legal patronage in their professional activities within the committee's competence.
- 6) To put forward their petitions to functional state agencies in the matters about to the policies and regimes relating to their professional activities through various organizations of the Committee.

CHAPTER IV

COMMITTEE STRUCTURE

Article 10: Principle of Organization

UCOLD is established on the principles of voluntaries, democratic concentration and self-support in terms of financial matters. The committee and its organs operative in compliance with the national stipulations relating to the committee and these regulations.

Article 11: National Congress of Representatives

The plenum congress is convened every five years after to the summons of its central Executive Committee. Unordinary congress is convened only when two-thirds of Central Committee members or one-third of the number of official members request.

The congress discusses and passes the Central Committees report during the past term, amends its regulations (if necessary) and decides the personnel issue for the forth coming congress

Article 12: The Central Executive Board

The Central Executive Board is the highest leading organ of the Committee between the two terms of the National congress. It holds a meeting once every year. The National Congress of representatives decides the number of Central Executives board members. The central executive Board has the following tasks:

1. Implementing the Resolution of the National Congress of representatives and the Rules of the Committee
2. Deciding on the programme of action, budget and organisation of the committee
3. Making personnel decision for each positions as President, Vice-President, Member of the Presidium, General Secretary, Inspection Board.

Article 13: The Presidium of the Central Executive Board

The Presidium is a permanent organ of the Central Executive Board, endowed with the task of implementing the Resolution of the Congress of the Central Executive Board. The Presidium includes the President, Vice President, General Secretary and Members.

The Presidium meets once every six months and can hold extraordinary sessions convened by the President or demanded by the majority of members.

Article 14: The Secretariat and Office of the Committee

The Secretariat is a permanent section of the Committee for information reception and summarization, and for management of the Committee office. The secretaries includes the General Secretary, Deputy General Secretaries and Member appointed by the Presidium

The Committee office is the workplace of the secretariat consisting of such sections as documents and letters, organization, finance, etc.

Article 15: The Central Inspection Board of the Committee

The Central Inspection Board has the task of inspecting the implementation of the Rules of the Central Executive Board, of sub-committees and members; inspecting the finance of the Committee and reporting them at the Congresses, sessions of the Executive Central Board and of the Presidium.

The Vice – President heads the Central Inspection Board and the Central Executive Board appoints its members.

Article 16: Special sections and affiliated organizations of the Committee

The President considers and decides on establishing Special Section and economic organizations (centres, enterprises, services, etc.) to serve the various activities of the Committee. Their establishments and operation are subject to legal regulations.

Article 17: Sub-committees of the Committee

Sub-committees are organized in areas having from 10 official members upward in accordance with the decision of the Presidium. Sub-committees conduct periodical congress of their members once every two years and half (30 months) in order to:

- a) Discuss and approve the report on their activities
- b) Discuss the reports of the Committee
- c) Make personnel decision on the executive board of Sub-committees and send representatives to attend the National Congress of the Committee. The number of members of the executive board of sub-committee is decided by the congress of sub-committees.

CHAPTER V

FINANCE OF THE COMMITTEE

Article 18: Revenues and expenses of the Committee

The Fund of the Committee is made up from the various sources: Committee fees and financial support of members (mainly from collective members), economic activities (economic organisation, services, etc.) financial aids and other legitimate sources.

Committee's expenses:

- a) Spending on professional development (information, training, etc.) and administration
- b) Spending on salaries, allowances, travel allowances, insurance, and welfare benefits for specialized staff of the committee.
- c) Paying annual committee fee to the International Commission on Large Dams and realizing its obligations towards organisation of which it is a member
- d) Paying other legal expenses in accordance with legal regulations

Article 19: Financial and accounting management

The Committee's finance and accounting is managed under the financial and accounting statute of Professional Associations in accordance with legal regulations

If the committee is dissolved, its property and finance shall be settled in accordance with legal regulators. The Committee makes reports to the Uganda Registration Service Bureau under the Ministry of Justice and Constitutional Affairs.

CHAPTER VI

REWARD AND DISCIPLINE

Article 20: Reward

Organizations and members with outstanding achievements in the works of the Committee or in the field of activities of large dams shall be rewarded by the Committee or proposed to competent state organ for reward

Article 21: Discipline

Organizations and members having activities detrimental to the prestige and honor of the Committee or acting in contravention of the Rules of the Committee shall, depending on the severity of the damage, be subject to a form of discipline. Those who cause material damage must pay a compensation according to the law.

CHAPTER VII

PROVISION FOR IMPLEMENTATION

Article 22: Modification and amendment of the Rules of the Committees

The modification and amendment of the Rules of the Committees under the competence of the National Congress of representatives, who unanimously approved and then submit to the Uganda Registration Service Bureau (URSB) under the Ministry of Justice and Constitutional Affairs before they come into effect.

Article 23: Effectiveness for implementation

The Rule consist of 7 chapters and 23 articles, were approved by the First National Congress of representatives of the Uganda Committee on Large Dams on June, 2018 and becomes effective by the Decision of Uganda Registration Service Bureau (URSB) under the Ministry of Justice and Constitutional Affairs.

UGANDA COMMITTEE ON LARGE DAMS

End of Rules (Last Updated: May 2018)