Attachment 1 ALL Nominees by 10th March(Fri), 2017

Attachment 1: Country Report

I. Introd	uction							
	1.Name of applicant							
2.Nam	ne of country							
2 5	ail address							
3.⊏-111	all address							
II. Coun	try Information							
1. G	eographic location							
2. Po	opulation							
2. 1	opulation							
3. E	conomy (Main industr	ies, GDP,	etc.)					
4. C	imate (Annual rainfall	, seasons	, etc.)					
5. To	otal number of cities							
0. 10	named of onless							
6. Th	ne three (3) largest wa	aterworks	in the cour	ntry (Pleas	se fill in the Ta l	ble1)		
[Table	1]				·			
Name	Name Name of Capital (Public/ Private/ Total Supplied							
of City	ty Organization Public-Private-Partnership) Population Population							
1								

	Organizational Framework and Jo	ob Descripti	on		
1.	Name of applicant's organization				
2.	The established year of the organi	zation			
3.	Applicant's occupation (Please c	choose from t	he followings.)	
	(a) Staff in charge of the formulation	on of waterwo	orks plan in a	water sup	ply utility
	(b) Staff in charge of the formulation	on of waterwo	orks plan in the	e nationa	I
	government or a local government	nent			
	(c) Staff who is expected to be in a	charge of the	formulation of	waterwo	orks plan
	(d) Civil engineer				
	(e) Sanitary engineer				
	(f) Environmental engineer				
	(g) Other (Specify your backgroun	d:)
4.	Type of the applicant's organization	(Please choo	se one option	from the f	followings.)
	(a) Part of government departmen	it			
	(b) Government corporations				
	(c) Independent authority				
	(d) Others (Please describe:)	
5.	Capital formation (Financial resour	rce) of the ap	plicant's orgai	nization	
	National government		(%)		
	Local government		(%)		
	Investor (Private)		(%)		
	Others (Please describe:)	(%)		
6.	Governmental control: (Please sel	ect all option	s which are su	ubject to g	governmental
	instruction.)				
	(a) Staff number				

(b) Staff salaries

	(c) Tariff(d) Appointment of top management(e) Budget for O&M(f) Budget for development(g) Disconnection for non-payment		
7.	Cost (Budget) for operation/management of (1) Personnel: (2) Power/Fuel: (3) Chemicals: (4) Other materials: (5) Transport: (6) Others (describe: (7) Total O&M cost:	the applicant's of (USD) (USD) (USD) (USD) (USD) (USD) (USD) (USD) (USD)	rganization
8.	The number of cities/towns which an applica	nt's organization	has responsibility for
9.	Service area of the applicant's organization		(km²)
10.	Total population of the applicant's city (service	ce area?)	
11.	Total population served by the applicant's or	ganization	
12.	Number of staff members (1) Clerical staff: (2) Engineer: (3) Technical staff: (4) Laborer: (5) Total:		
13.	Organization chart 1 (Please attach the chart of applicant's organization)	anization)	
14.	Organization chart 2 (Please attach the typical organization charcountry, local level to the national level in		20/20

IV.	Water Supply		
1.	Name of waterworks in which applicant is engaged		
2.	Total amount of annual water abstraction (intake) vo	ilume (m³/year)	Comentario [k1]: 項目(年間取水量)を追加しました
3.	Proportion of water resources (%)		
	> Surface water : (%)		
	> Groundwater: (%)		
	> Others: (%)		
4.	Total amount of annual water supply	(m³/year)	Comentario [k2]: /year を追加しました
5.	Total amount of annual water consumption	(m³/year)	Comentario [k3]: 項目(年間消費
6.	Maximum daily water supply demand	(m³/day)	量)を追加しました
7.	Average water supply demand	(m³/day)	
8.	Number of treatment plants		
9.	Total capacity of treatment plants	(m³/day)	

Ta	ıb	е	2]
		-	_

10. Water quality (Please fill in the Table2)

	Raw water	Tap water
		(Treated water)
Turbidity (degree)		
Color (degree)		
рН		
Hardness (ppm)		
Iron (ppm)		
Manganese (ppm)		
Nitrate Nitrogen (ppm)		
Others(Please		

describe:) (ppm)		
	t process (Please choose or	ne option from the	e followings.)
(a) Convention			
(b) Slow Sand I			
(c) Others (Plea	ase describe:)	
12. Chlorination me	ethod (Please choose one o	ontion from the fo	llowings \
(a) Gas injection		puon nom the lo	ilowings.)
(b) Powder injection			
	ection method (Please desc	ribe:)
, ,	(<i>L</i> .
13. Frequency of b	acteriological tests		
(1) daily (times/day)		
(2) weekly (times/week)		
(3) monthly (times/month)		
(4) annually (times/year)		
14. Distribution pipe	es		
(1) Length		(km)	
(2) Pipe size		(mm)	
(3) Materials			
(4) Inventory of	pipe size		
15. Storage capacit	v	(m ³)	
J	,	()	
16. Water leakage r	ratio	(%)	
17. Countermeasur	es for Leakage control		
18. Annual number	of repaired leakage points		

Please fill in the **Table 3** describing three typical problems, classified into 3 categories (i.e. big, middle and small) of current issue of unaccounted-for water and their

19. Typical problems

countermeasures.

[Table 3]

	Name of City	Unaccounted-for Water Conditions	Countermeasure
Big (Serious problem)			
Middle			
Small (Minor problem)			

V. Customer Service

Please describe the followings concerning the largest water utility in applicant's jurisdiction.

- 1. Number of house connections
- 2. Number of public taps (PT) / Standpipes (SP)
- 3. Number of people per PT / SP
- 4. Custom of water usage for drinking (Please choose one option from the followings.)
 - (a) Directly from tap
 - (b) After boiling
 - (c) After filtering
- 5. Coverage of 24-hour water supply

6.	Average hours of water availability to most people	(hrs/day)
7.	Number of industrial connections	
8.	Number of commercial connections	
9.	Number of other connections	
10.	Annual number of customer complaints	
11.	Annual public relations expenditure	
 VI.	Water Billing	
1.	Estimated unaccounted-for water	(m³/day)
2.	Percentage of metered water	(%)
3.	Annual number of meters replaced or repaired	
4.	Name of authority which determined the water rate	
5.	Year of the implementation of the current water rate	
6.	Name of the system used for the calculation of water rate	
7.	Water rate against the amount of consumption (Please choof followings.) (a) Progressive (b) Digressive	ose one option from the
8.	Frequency of reading of water meter (every da	ays)
9.	Billing period (months)	
10.	Collection method of water bill (Please describe:)

11. Average amount of(1) Volume(2) Water rate	(m ³ /	imption by 'month) SD/month)	domestic (residential) customers
12. Percentage of war		against th	e total living expenses for the average (%)
13. Please attach the	table of the pr	resent wat	er tariff
14. Relevance betwee surcharge on water		bill and	water bill (Percentage of sewerage bill (% of water bill)
VII. Relevant Laws, F 1. Laws and regular regulations regard [Table 4]	tions (Please	e describe	the outline of the relevant laws and
Name of Law or Regulation	Year of Legislation		Purpose/Description
National developr	nent plan and	its sector	plan in waterworks
Please describe the o English.	utline of plan(s	s) in the T a	able 5 and attach a copy of Sector Plan in
[Table 5] Name of Plan	Target F	Poriod	Outline of Content
Name of Fian	l larger r	CITOU	Outline of Content

	1	
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	I.	

VIII. Foreign Assistance

Please describe the outline of foreign assisted programs in the last 10 years in **Table 6**.

[Table 6]

Name of Donor	Year	Grant/Loan	Amount of Fund	Outline of Program/Project

IX. Priority Needs

1. Major constraints

The constraint factors listed may prevent the participant's sector from accelerated development. Mark the appropriate boxes so that they will show whether these factors represent a very severe, severe or moderate impediment to the overall development of the entire sector. Constraints are usually inter-related. Also, constraints ranking is subjective and will vary depending on the agency that makes the evaluation. However, it may be possible to determine the relative importance among them.

The purpose of ranking the constraints is to identify what kind of efforts should be made to remove or reduce the most severe ones. If the ranking changes appreciably in 5 or 10 years, it means that a certain degree of success has been achieved in the constraint-reduction endeavor.

Please indicate with the mark (\checkmark) for the situation of major constraints in the table below.

[Table 7]

Constraints	Ratin	g of constra	aints
Constraints	Very Severe	Severe	Moderate

4. Look of definite government policy for the coster		
Lack of definite government policy for the sector		
2. Funding limitations		
3. Inadequate or Outmoded legal framework		
Inappropriate institutional framework		
5. Inadequate water resources		
6. Insufficient knowledge of water resources		
7. Inadequate cost-recovery framework		
8. In sufficiency of trained personnel		
(1) Professional		
(2) Sub-professional		
9. Lack of planning and design criteria		
10. Inappropriate technology		
11. Intermittent water service		
12. Operation and maintenance		
13. Logistics		
14. Import restrictions		
15. Non-involvement of communities		
16. Insufficient health education efforts		
17. Others (specify):		

2. Technical/Management problems (Please explain technical or management problems your department/organization currently experiencing in **Table 8**.)

[Table 8]

Outline of Problem	Applied Countermeasure
Outline of Floblem	/ Applied Godifici medadic

3. Problems to be solved at present and in the future (Please describe concretely as many items as possible including even minutia because this is utilized for the decision of strategies of action plan.)

[Table 9]

		T
Outline of Problem	Background to Efforts	Present Status, etc

X. Expectation toward the		
(Please add sheets of pape	r for the description if necessary	······································

Attachment 2 ACCEPTED Participants

- by 11th

May,(Thu)2017

Comprehensive Engineering on Water Supply Systems **Country Report Presentation**

1. Country:

2. Name:3. Position:4. Organization:



Country Report Presentation

Report (M/S Power Point file with less than 15 slides which cover the following 5 topics about the individual water supply company/public water supply authority to which the participant belongs. Each applicant is kindly requested to make presentation of Country

Presentation time: 20 minutes (including 5min Q&A) 0

5 topics:

1. Management of Water Quality

2. Reduction of Non-Revenue Water

3. Customer Service

4. Water Billing

5. Major Recent Achievement in Improvement of Water Supply Services/Management 5 topics should include the content of "Current situation and major problems, Current actions against the problems and any achievement.

General Country Profile: Background

Body sentence of the profile / Background



Whole Country:

: km²

Area

Population: Habitants

Coverage Water Supply: %

Selected Water Supply System/City:

Service Area:

 km^2

Population Served: mi

million/thousand

My Mission (sharing among participating friends)

Mission of my organization is

My mission in the organization is

My actual job to achieve the mission is





1. Management of Water Quality

2. Reduction of Non-Revenue Water 1

Constitution of Non-revenue Water (If you have the data, please fill in the table)

xx m³ /year (%)	xx m³ /year (%)	xx m³/year (%)	xx m³/year (%)
Billed authorized consumption	Unbilled authorized consumption (ex. fire fighting, cleaning)	Apparent losses (Unauthorized consumption (i.e. Illegal use), Customer metering inaccuracies)	Real losses (Leakage)
Revenue		Non Revenue Water (NRW)	
7 () ()	consumption	Water	
	Svstem	input	



2. Reduction of Non-Revenue Water 2



3. Customer Service



4. Water Billing

Average amount of water consumption by domestic (residential) customers volume

(USD/month)

Average of tariff collection rate

5. Major Recent Achievement in Improvement of Water Please fill in variation of the indicators below based on your Supply Services/Management (PART1) situation!

(Example)

INDICATORS	2004 or 2005	2014 or 2015	Goals for 2025
Staff/1,000 connections	22	3.2	2
Production capacity [m³/day]	65,000	300,000	400,000
Water quality standards	None	WHO Guidelines	WHO Guidelines
Coverage area	20%	%06	%56
Supply duration (hr/day)	10	24	24
Supply pressure	0.2 bar	2.5 bars	2.5 bars
Number of connections	26,88	191,092	300,000
NRW	72%	6.2%	4.5%
Collection ratio	48%	%6.66	%6.66
Staff number	4,200	611	002



5. Major Recent Achievement in Improvement of Water Supply Services/Management (PART2)