



الرقم 4193 / 16/ 11

التاريخ

الموافق 2025/04/22

Addendum No (1)
Tender No. (1/SP /2025)
Construction of Infrastructure Works in Baptism Zone
The Hashemite Kingdom of Jordan
Funded by the U.A.E GRANT

Dear Sirs,

You are kindly requested to download addendum No (1) from the official website of (MOTA) (www.mota.gov.jo) which includes:

- 1- Answers for request of clarifications received by the tenders for the subject tender (39 pages).
- 2- The original BOQs have been cancelled and replaced by BOQs modified, in case of priced on the original BOQs the financial proposal will be excluded.
- 3- Delete page no. (103) from COC and replace it with (103- modified)
- 4- Delete pages no. (8,11,12,21) from COC (in invitation for tender) and replace it with pages no. (8- modified, 11- modified, 12-modified, 21- modified)
- 5- Delete page no.(153) from Mechanical Specification and replace it with (153- modified)
- 6- Delete drawings no (M-00-FF-100, M-PU-100, M-SC-100, M-D-100, E-G-LV, E-G-02, E-R-100, E-PU-100, E-LS-100, . E-LS-101, E-G-01) and replace it with (M-00-FF-100-modified, M-PU-100-modified, M-SC-100-modified, M-D-100-modified, E-G-LV- modified, E-G-02-modified, E-R-100-modified, E-PU-100 modified, E-LS-100- modified, E-LS-101- modified, E-G-01- modified).
- 7- Attached an electronic copy includes "the test result for the existing well located within the project area".
- 8- Attached "qualification forms" in word format.
- 9- Soft copy an excel format for BOQs is attached, with noting that the (PDF) format for BOQs must be submitted also in addition to hard copy, if any contradiction between two copies the hard copy will be consider during the tender evaluation.

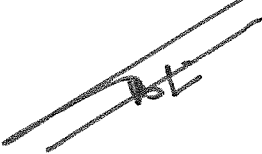


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- 10- In case of any item listed in the BOQs modified is priced on the original BOQs and not priced on the BOQs modified, the item shall be deemed included in the bid price.
- 11- Soft copy of section for Surveillance System (CCTV) specification is attached.
- 12- No additional clarifications or questions will be accepted.
- 13- The deadline for the submission of financial and technical proposals has been extended to Thursday, May 15, 2025, at 12:00 P.M. (UAE time), instead of Wednesday, April 30, 2025.
- **This Addendum shall be Considered as an integral part of Documents.**

Best Regards,

Chairman of Special Procurement Committee
Secretary General of the Ministry of Tourism and Antiquities
Prof. Fadi Abdullah Bala'awi



Cc: Tender Department

Invitation for Tender

Tender No.
(1/SP/2025)

Construction of Infrastructure Works for Baptism Development Zone

32. List below all projects which best illustrate your Construction experience relevant to the scope of the project in descending order of completion date within the last 15 years.

Serial No.	Project Title and Description	Client	Construction Cost in BD	% of value undertaken by the Applicant	Work done independently or in Joint Venture	Start-End Dates	Completion Certificate* Yes/No	References from Owner/Client * Yes/No
a. Experience in similar projects (complete infrastructure works) for the government ministries/ agencies in the Kingdom of Jordan and/or U.A.E.								
1								
2								
3								

Expand table as needed.

* Please include completion certificate and owner/client references.



Invitation for Tender

Tender No.
(1/SP/2025)

Construction of Infrastructure Works for Baptism Development Zone

34. List below all projects which best illustrate your Construction experience relevant to the scope of the project in descending order of completion date within the last 15 years.								
Serial No.	Project Title and Description	Client	Construction Cost in BD	% of value undertaken by the Applicant	Work done independently or in Joint Venture	Start-End Dates	Completion Certificate* Yes/No	References from Owner/Client * Yes/No
c. Experience in similar projects (infrastructure works) in Middle East countries								
1								
2								
3								

Expand table as needed.
* Please include completion certificate and owner/client references.



Invitation for Tender

Tender No.
(1/SP/2025)

Construction of Infrastructure Works for Baptism Development Zone

35. List below all projects which best illustrate your Construction experience relevant to the scope of the project in descending order of completion date within the last 15 years.								
Serial No.	Project Title and Description	Client	Construction Cost in BD	% of value undertaken by the Applicant	Work done independently or in Joint Venture	Start-End Dates	Completion Certificate* Yes/No	References from Owner/Client * Yes/No
d. Other international similar projects (infrastructure works) experience								
1								
2								
3								

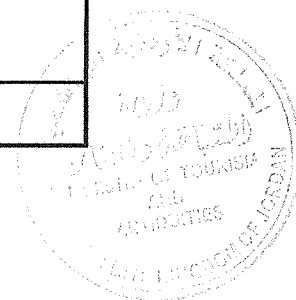
Expand table as needed.
* Please include completion certificate and owner/client references.



EVALUATION MARKS FOR QUALIFICATION OF CONTRACTORS

1.0 Applicant's Name:			
Requirements		Total	Distribution
1.1	Attached Company Organization Chart	20	2
1.2	Attached Corporate Organization Chart		1
1.3	Attached Organization Chart for Construction Division		2
1.4	Site Organization and Method Statement (Methodology and Site Management)		15
Methodology and Site Management			

2.0 RELEVANT EXPERIENCE IN CONSTRUCTION OF Infrastructure PROJECTS (Note: Applicants of Experience Less Than 5 Years Will Get Disqualified As They Do Not Meet The Financial Requirements)			
Requirements		Total	Distribution
2.1	Year established in Home Country Year established in Jordan	35	2
2.2	Experience in similar projects (infrastructure project with similar tender complexity and similar tender scope of work description) for government ministries/ agencies in the Kingdom of Jordan and/or U.A.E/ or Middle East/ or international <i>similar project</i>		12
2.3	Experience in similar projects (infrastructure works with similar complexity, and similar tender works description) in the Kingdom of Jordan and/or U.A.E and/or Middle East countries and/or international similar projects		12
2.4	Over-all experience in infrastructure works/projects		5
2.5	Largest Construction value of a completed infrastructure project within the last 15 years.		4
Total Relevant Experience in Construction of Similar Projects			



Refer to all General requirements mentioned in Specifications

➤ **Site Requirements:**

During the execution of the works, the Contractor will be restricted to the use of the Site, haul roads and assigned office, messing, storage and laydown areas assigned by the Owner. The Contractor shall comply with national regulations and conditions for construction and use of site offices, work site and lay down areas.

The location of those parts of the Site allocated for the permanent works together with all boundaries are shown on the site plan included with the Contract Drawings. The Contractor is advised to ascertain this area during his site visit and he shall take such measures given within these conditions and exercise such care as to protect this area and boundaries during the course of the works and as may be directed by the Owner.

➤ **Co-ordination of Subcontractors:**

The contractor's Representative shall co-ordinate the work of all sub- contractors.

➤ **Co-ordination with Others:**

1. The Contractor shall at all times co-operate with other contractors, vendors or suppliers to the Owner.

2. The Contractor shall co-operate with and co-ordinate the efforts of other Owner Contractors supplying materials, supplies, furnishings or equipment to be incorporated in the Works. The Contractor will afford such contractors all general site facilities.

3. The Contractor shall co-operate with and co-ordinate any efforts of The Hashemite Kingdom of Jordan Government Authority, Ministry, or Department.

➤ **Field Engineering:**

The Contractor shall Provide and pay for site engineering services required for the project such as:

1. Survey work required in execution of project.

2. Civil, structural or other professional engineering services specified, or required in relation to preparation of shop drawings and co-ordination drawings, or required to execute the works or contractor's construction methods.

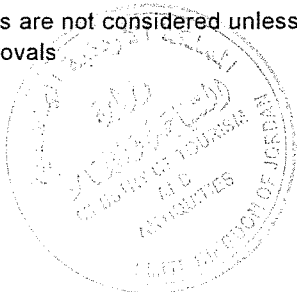
The Owner will identify existing control points and property line corner stakes indicated on the drawings, as required.

The Contractor shall allow within the unit rates for all requirements of field engineering.

The awarded bidder after commencement shall submit a comprehensive and accurate engineering design and all needed approvals for any lump-sum item in the tender by a specialized engineering firm and geotechnical firm, including a detailed price breakdown and all related supporting engineering documents (soil investigation, drawings, technical specifications, calculations, method of measurements, descriptions, quantities, and pricing), and the supervising committee has the responsibility to review and approve the design duly before supplying and implementing the item according to the supervision engineers instructions and the employer and owner requirements and written approval. The contractor shall include all needed engineering cost in his own price to lump sum items. All mentioned engineering works for RO plant to be finalized within four (4) months (calendar day) after awarding the contract. All mentioned engineering works for WWT plant to be finalized within four (4) months (calendar day) after awarding the contract. All mentioned engineering works for CCTV System to be finalized within tow (2) months (calendar day) after awarding the contract. All mentioned engineering works for SCADA and Control cables System to be finalized within one (1) month (calendar day) after awarding the contract. All mentioned engineering works for Electrical Building "C" to be finalized within one (1) month (calendar day) after awarding the contract.

The awarded bidder after commencement shall submit a comprehensive and accurate engineering design and all needed approvals for Photo voltaic (PV) item in the tender by a specialized engineering firm , including a detailed price breakdown and all related supporting engineering documents (shop drawings , technical specifications, calculations, method of measurements, descriptions, quantities, and pricing) And all needed items as per the PV boq item , and the supervising committee has the responsibility to review and approve the design duly before supplying and implementing the item according to the supervision engineers instructions and the employer and owner requirements and written approval. The contractor shall include all needed engineering cost in his own price to Photo voltaic item (PV) . All mentioned engineering works to be finalized within four (4) months (calendar day) after awarding the contract.

It is the responsibility of the contractor, in coordination with the supervising engineers and the employer, to carry out his contractual engineering duties to make any necessary amendments to the tender designed works as a result of any requirements caused by the design work for these lump sum items, and all of this is considered included in the tender work and the contractor is not entitled to claim the time of these modifications and these amendments are not considered unless they are approved by the supervising engineers and the employer with written approvals



The pump set shall operate under the control of float switches located in the roof water tank (low level switch for starting duty pump, high level switch for switching off duty pump).

The control panel design shall ensure:

- a. Automatic operation of selected duty pump under the control of level switches (cut in and cut out).
- b. Automatic changeover to standby pump in case of failure of duty pump.
- c. The HAND position of H-O-A switches is only for testing of pump and shall be spring loaded. Alternatively non latching push button shall be used for starting pump in HAND mode.
- d. Indication for water high level (in the roof tanks)
- e. Dry run protection based on level switch in the feed tank with indication.
- f. Volt free terminals for remote indications of: common fault (including feed tank low water level, roof tanks high water level and power off.

2.5 Submersible Waste Water and Rain Water pumps :

- A. Pump set shall be of number of pumps and to the size shown on the project drawings and schedules.
- B. Pumps shall be of the fully submersible type. Each pump shall be complete with non-return valve and isolating gate valve on the pump discharge. These valves shall be fitted above the normal highest liquid level and in a location accessible from the surface.
- C. Pumps shall be with motor protection relay and gateway.
- D. Pumps shall be supplied complete with control panel for automatic operation and auto changeover of the three pumps to work alternatively for the low levels and full for the high levels. Control panel shall have visual/audible alarm.
- E. Mode of control shall be as follows: -
 1. Low level first pump stop float switch.
 2. Low level second pump stop float switch.
 3. Low level third pump stop float switch.
 4. Normal level first pump start float switch.
 5. Normal level second pump start float switch.

FIRE FIGHTING PUMPING SET SCHEDULE										
PUMP REF.	LOCATION	TYPE	FLOW RATE L/Min	OPERATING HEAD (m)	SPEED CONST.	ELECTRICAL DATA			QTY.	
						Volts	Phase	RPM		
FP1	PUMP ROOM	PACKAGE SET OF CENTRIFUGAL HORIZONTAL SPLIT CASE PUMP	1892	75.0	CONSTANT SPEED	42	400	3	3550	2 NO. PUMPS, W/SHANGHAI SPECIAL GUARANTEE

ALL PUMPS SHALL BE VERIFIED AND RECALCULATED BY THE CONTRACTOR AND APPROVED BY CDO
ACCORDING TO HIS APPROVED SHOP DRAWINGS AND MATERIALS

WALL MOUNTED EXHAUST FANS SCHEDULE									
FAN REF.	SERVED AREA	LOCATION	TYPE	AIR CAP. (C.F.M.)	SETTING (F.T.M.)	ELECTRICAL DATA			QTY.
						V	Phase	AMP	
EXF-01	TRANSFORMER ROOMS	WALL-MOUNTED	335 - 400	4	0.15	230	1	1360	5
EXF-02	TRANSFORMER ROOMS	WALL-MOUNTED	100	15	0.10	230	1	1720	1

- PROVIDE AUTOMATIC SHUTTER TO ALL FANS
- THE POWER CONSUMPTION IN (AM) IS BASED ON PRELIMINARY EQUIPMENT SELECTION
- THE ACTUAL POWER CONSUMPTION AND RUNNING RATING SHOULD BE VERIFIED BY THE CONTRACTOR BASED ON FINAL EQUIPMENT SELECTION.
- PROVIDE LOCAL SWITCH AND SPEED SELECTOR SWITCH FOR EACH COOLING MODE AND MAKE UP FANS
- PROVIDE FANS STATIC PRESSURE SHALL BE VERIFIED AND RECALCULATED BY THE CONTRACTOR ACCORDING TO HIS APPROVED SHOP DRAWINGS AND

LPG PRESSURE REDUCING STATION			
DESIGNATION	PRV-P1	PRV-S1	
TYPE	First Stage Regulating Station	Second Stage Regulator	
UPSTREAM PRESSURE	4 BAR	500 mBAR	
DOWN STREAM PRESSURE	500 mBAR	40mm WG	
MAXIMUM LPG FLOW	100 KG/HR	10 KG/HR	
DIAMETER	50mm	20mm	
NO. OF SAFETY VALVES	2	2	
NUMBER OF PRESSURE GAGES	2	2	
MAXIMUM OPERATING PRESSURE	10	10	
AUTOMATIC CHANGE OVER VALVE TYPE	SELF ACTING /PNEUMATIC	-	
HEATER MATERIAL	FORGED STEEL	FORGED STEEL	

GAS LEAK DETECTION SYSTEMS SCHEDULE							
REF	CONTROL PANEL LOCATION	NO. OF DETECTORS	NO. OF HORN	NO. OF PANIC SWITCHES	NO. OF SHUT OFF VALVES	POWER	
						EST. (KW)	VOLTAGE PHASE
GLDS	UPC INAK	13	1	1	2	0.2	230 1

SUBMERSIBLE PUMP SET SCHEDULE												
PUMP DESIGNATION	SERVED AREA OR EQUIPMENT	LOCATION	FLOW L/S	HEAD (m)	Starter Type	ELECTRICAL MOTOR DATA			QUANTITY		TYPE	SYSTEM
						1/2 HP L/W	PHASE	VOLT	TOTAL			
SUMP-01	TANKS PUMP ROOM	TANKS PUMP ROOM	13.0	20	DOL	5.5	3	400	1	1	STAINLESS STEEL MULTI WASH WHEELER	WATER
SUMP-05	MASTER PLAN SEWAGE LIFTING STATION		20	40	SOFT STARTER	15.0	3	400	3	3	STAINLESS STEEL MULTI WASH WHEELER	SEWAGE

INLINE FANS SCHEDULE			
FAN#	FAN-Q1	FAN-Q2	FAN-Q3
SACON	TIME SCHEDULE, 24HR	TIME SCHEDULE, 24HR	TIME SCHEDULE, 24HR
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
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58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

NOTES:--
 PROVIDE PANEL FILTERS & BAG FILTERS TO EU-5 EFFICIENCY FOR FRESH AIR FAN
 PROVIDE RAIN CANOPY TO ALL OUTDOOR FANS
 PROVIDE AUTOMATIC SHUTTER TO ALL FANS
 THE POWER CONSUMPTION IN (W) IS BASED ON PRELIMINARY EQUIPMENT SELECTION
 PROVIDE THE ACTUAL POWER CONSUMPTION AND NOMINAL RATING SHOULD BE VERIFIED BY THE
 PROVIDE LOCAL SWITCH AND SPEED SELECTOR SWITCH FOR EACH COOKING HOOD AND
 PROVIDE STATIC PRESSURE SHALL BE VERIFIED AND RECALCULATED BY THE CONTRACTOR

PUMPS SCHEDULE				
REFERENCE		DCWP-01		IRRP-01
CONFIGURATION		THREE PUMPS WORKING SEQUENCE OPERATION		TWO PUMPS WORKING SEQUENCE OPERATION
LOCATION		TANKS PUMP ROOM		TANKS PUMP ROOM
SYSTEM		DOMESTIC WATER SYSTEM		IRRIGATION SYSTEM
TYPE		HORIZONTAL MULTISTAGE CENTRIFUGAL WATER PUMP WITH PRESSURE VESSEL		HORIZONTAL MULTISTAGE CENTRIFUGAL WATER PUMP WITH PRESSURE VESSEL
VESSEL SIZE	LITER	14000 L		14000 L
SYSTEM FLUID		WATER		WATER
SPEED CONTROL		VARIABLE SPEED		VARIABLE SPEED
DRIVE TYPE		DIRECT COUPLED MOTOR		DIRECT COUPLED MOTOR
FLOW RATE	L/S	16.0 (EACH)		12.0
TOTAL PUMP HEAD	M	50		50
SUCTION FLANGE Dia.	mm	65		65
DISCHARGE FLANGE Dia.	mm	40		40
NP38 REQUIRED	M	-		-
PUMP EFFICIENCY	%	65		65
MAX OPERATING TEMPERATURE	°C	40		40
MAX WORKING PRESSURE	BAR	16		16
BEARING REQUIRED LIFE	x 1000 HRS	250		250
ABSORBED POWER	KW	12		10
MOTOR RATING	KW	15		11
MOTOR EFFICIENCY	%	90		90
MOTOR SPEED	RPM	VARIABLE		VARIABLE
STARTING METHOD	%	STAR - DELTA		STAR - DELTA
POWER SOURCE		CP		CP
SUPPLY		400 /3 /50		400 /3 /50
POWER SOURCE REFERENCE				
STATUS		ESSENTIAL		ESSENTIAL
OTHERS				
VARIABLE FREQUENCY CONTROLLER		YES		YES

FINAL PUMPS SHALL BE VERIFIED AND RECALCULATED BY THE CONTRACTOR
ACCORDING TO THE ASSOCIATED SHOP DRAWINGS AND MATRINS.

MODIFIED

SS4
400KVA
TRANSFORMER

1. 100% FULLY
CONCRETE

1. 100% FULLY
CONCRETE

1. 100% FULLY
CONCRETE

1. 100% FULLY
CONCRETE

1. 100% FULLY
CONCRETE

TABLE NO. 4 VOLTAGE DROP CALCULATION

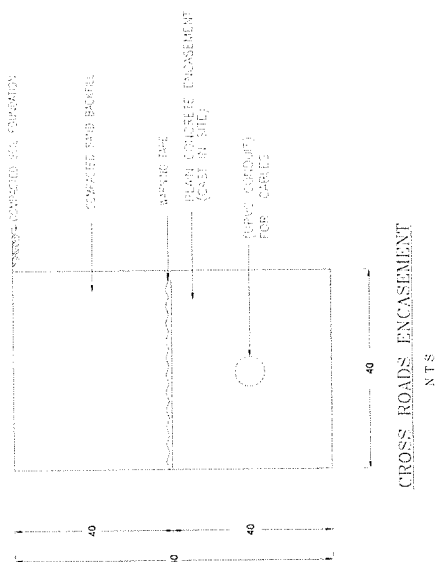
Cable No.	Cable Length (m)	Voltage Drop Calculation		Voltage Drop (%)
		Drop (V)	Drop (mV)	
1	100	1.0	100	1.0
2	100	1.0	100	1.0
3	100	1.0	100	1.0
4	100	1.0	100	1.0
5	100	1.0	100	1.0
6	100	1.0	100	1.0
7	100	1.0	100	1.0
8	100	1.0	100	1.0
9	100	1.0	100	1.0
10	100	1.0	100	1.0
11	100	1.0	100	1.0
12	100	1.0	100	1.0
13	100	1.0	100	1.0
14	100	1.0	100	1.0
15	100	1.0	100	1.0
16	100	1.0	100	1.0
17	100	1.0	100	1.0
18	100	1.0	100	1.0
19	100	1.0	100	1.0
20	100	1.0	100	1.0
21	100	1.0	100	1.0
22	100	1.0	100	1.0
23	100	1.0	100	1.0
24	100	1.0	100	1.0
25	100	1.0	100	1.0
26	100	1.0	100	1.0
27	100	1.0	100	1.0
28	100	1.0	100	1.0
29	100	1.0	100	1.0
30	100	1.0	100	1.0
31	100	1.0	100	1.0
32	100	1.0	100	1.0
33	100	1.0	100	1.0
34	100	1.0	100	1.0
35	100	1.0	100	1.0
36	100	1.0	100	1.0
37	100	1.0	100	1.0
38	100	1.0	100	1.0
39	100	1.0	100	1.0
40	100	1.0	100	1.0
41	100	1.0	100	1.0
42	100	1.0	100	1.0
43	100	1.0	100	1.0
44	100	1.0	100	1.0
45	100	1.0	100	1.0
46	100	1.0	100	1.0
47	100	1.0	100	1.0
48	100	1.0	100	1.0
49	100	1.0	100	1.0
50	100	1.0	100	1.0
51	100	1.0	100	1.0
52	100	1.0	100	1.0
53	100	1.0	100	1.0
54	100	1.0	100	1.0
55	100	1.0	100	1.0
56	100	1.0	100	1.0
57	100	1.0	100	1.0
58	100	1.0	100	1.0
59	100	1.0	100	1.0
60	100	1.0	100	1.0
61	100	1.0	100	1.0
62	100	1.0	100	1.0
63	100	1.0	100	1.0
64	100	1.0	100	1.0
65	100	1.0	100	1.0
66	100	1.0	100	1.0
67	100	1.0	100	1.0
68	100	1.0	100	1.0
69	100	1.0	100	1.0
70	100	1.0	100	1.0
71	100	1.0	100	1.0
72	100	1.0	100	1.0
73	100	1.0	100	1.0
74	100	1.0	100	1.0
75	100	1.0	100	1.0
76	100	1.0	100	1.0
77	100	1.0	100	1.0
78	100	1.0	100	1.0
79	100	1.0	100	1.0
80	100	1.0	100	1.0
81	100	1.0	100	1.0
82	100	1.0	100	1.0
83	100	1.0	100	1.0
84	100	1.0	100	1.0
85	100	1.0	100	1.0
86	100	1.0	100	1.0
87	100	1.0	100	1.0
88	100	1.0	100	1.0
89	100	1.0	100	1.0
90	100	1.0	100	1.0
91	100	1.0	100	1.0
92	100	1.0	100	1.0
93	100	1.0	100	1.0
94	100	1.0	100	1.0
95	100	1.0	100	1.0
96	100	1.0	100	1.0
97	100	1.0	100	1.0
98	100	1.0	100	1.0
99	100	1.0	100	1.0
100	100	1.0	100	1.0

MODIFIED

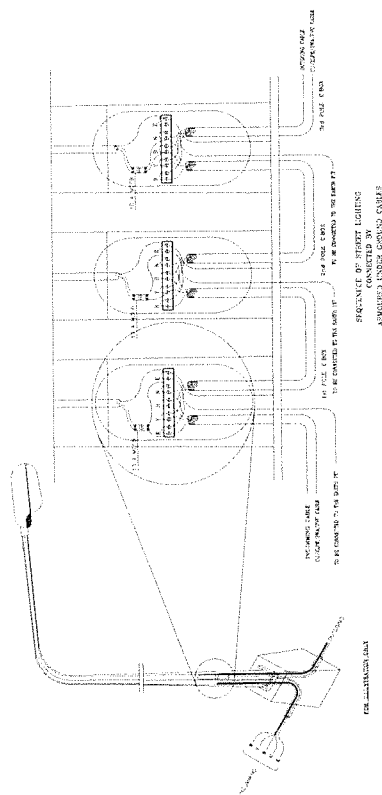
NOTES:

- 1. IF IN THE CONDUCTOR REPRESENTING TO CONDUCTOR WITH THE PROJECT X
- 2. INSTALL POWER TO THE PROJECT
- 3. CONDUCTOR TO BE USED TO THE PROJECT
- 4. CONDUCTOR TO BE USED TO THE PROJECT
- 5. CONDUCTOR TO BE USED TO THE PROJECT
- 6. CONDUCTOR TO BE USED TO THE PROJECT
- 7. CONDUCTOR TO BE USED TO THE PROJECT
- 8. CONDUCTOR TO BE USED TO THE PROJECT
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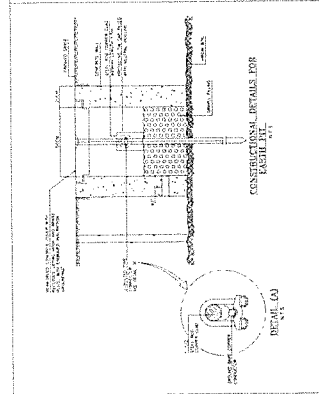




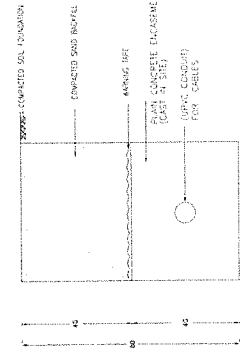
CROSS ROADS ENCASEMENT
NTS



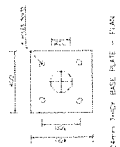
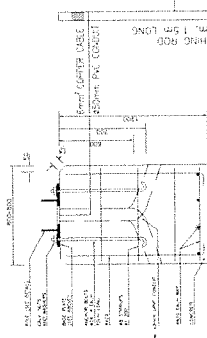
SEQUENCE OF STREET LIGHTING
CONNECTED BY
SMOOTH FINGER CORDS CARRIES



CONSTRUCTION DETAILS FOR
EARTH PILE



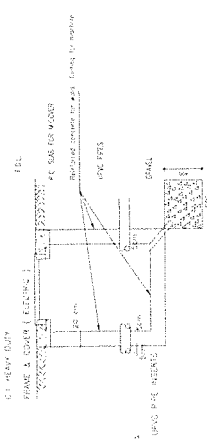
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$$P_{\text{max}} = \frac{\pi}{2} \left(\frac{V_0}{V_p} \right)^2$$


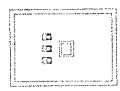
FOUNDATION - SECTION
10m POLE SINGLE ARM FOUNDATION
REINFORCING DETAIL

UNIVERSITY OF CALIFORNIA

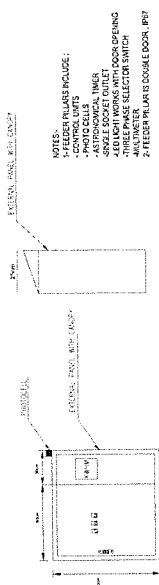
NOTE: CABLE'S ARMOUR SHOULD BE CONNECTED TO THE EARTHING RODS



EXTERNAL PANEL
FRONT ELEVATION
N.T.S.



INTERNAL VIEW PANEL,
ELEVATIONS



NOTES:
1- FEEDER PILLARS INCLUDE :
- CONTROL UNITS

- PHOTO CELLS
- ASTRONOMICAL TIMER
- SINGLE SOCKET OUTLET
- LED LIGHT WORKS WITH DOOR OPENING
- THREE-PHASE SELECTOR SWITCH
- RULMETER


MANAGE YOUR RISK
 1-800-368-5828

: Quantity and size of U.V. condensation

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2.4. The use of a particle size distribution of the

MODIFIED

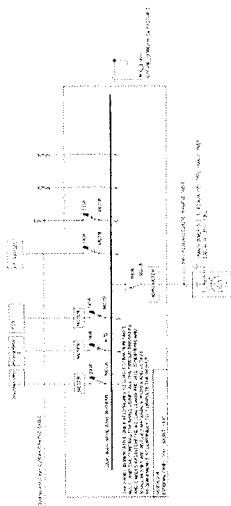


TABLE NO. 1
Electrical load estimation

Component	Power (kW)	Voltage (V)	Total (kW)
Lighting	10	230	10
Fans	5	230	5
Pumps	15	230	15
Control Panel	1	230	1
Transformer	20	230	20
Other	5	230	5
Total	56	230	56

TABLE NO. 2

Electrical load estimation

Component	Power (kW)	Voltage (V)	Total (kW)
Lighting	10	230	10
Fans	5	230	5
Pumps	15	230	15
Control Panel	1	230	1
Transformer	20	230	20
Other	5	230	5
Total	56	230	56

TABLE NO. 3

Electrical load estimation

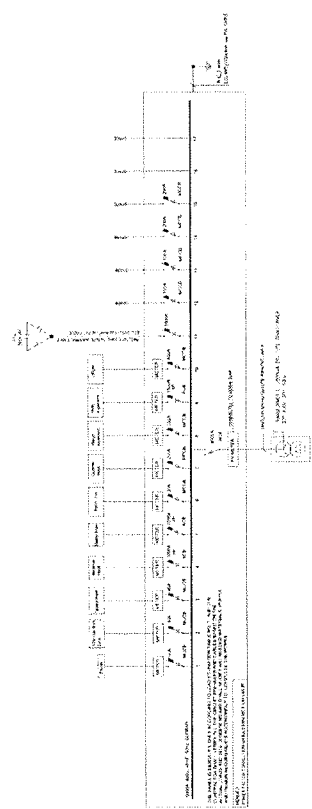
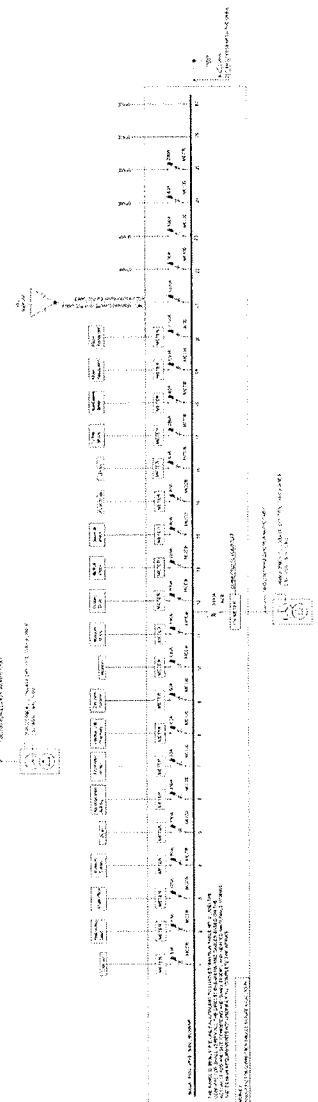
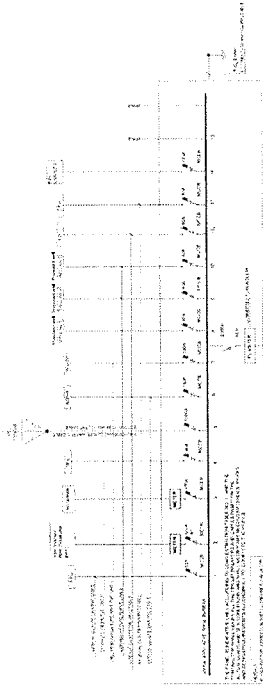
Component	Power (kW)	Voltage (V)	Total (kW)
Lighting	10	230	10
Fans	5	230	5
Pumps	15	230	15
Control Panel	1	230	1
Transformer	20	230	20
Other	5	230	5
Total	56	230	56

TABLE NO. 4 VOLTAGE DROP CALCULATION

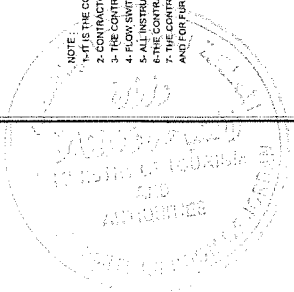
Voltage Drop calculation

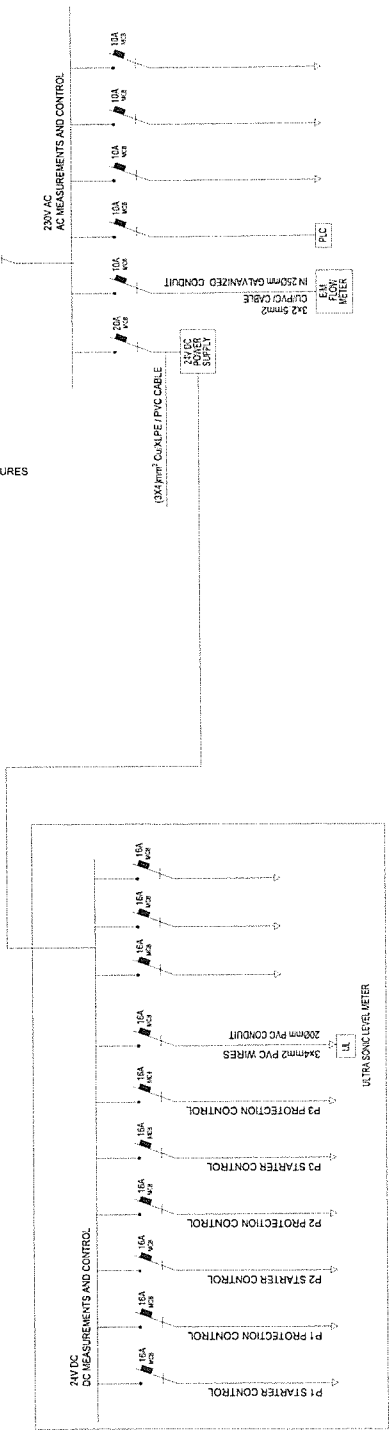
Component	Current (A)	Length (m)	Conductor Size (mm²)	Resistance (Ω/km)	Voltage Drop (V)	Total (V)
Lighting	45.5	100	1.5	19.0	0.86	0.86
Fans	22.75	100	1.5	19.0	0.43	0.43
Pumps	64.15	100	2.5	12.1	0.78	0.78
Control Panel	4.55	100	1.5	19.0	0.09	0.09
Transformer	90.9	100	4.0	4.6	0.42	0.42
Other	22.75	100	1.5	19.0	0.43	0.43
Total	251.6	100	1.5	19.0	2.58	2.58

MODIFIED



- NOTE:
- 1- IT IS THE CONTRACTOR RESPONSIBILITY TO COORDINATE WITH ELECTRICAL COMPANY TO PROVIDE & INSTALL THE POWER TRANSFORMER FOR THE PROJECT.
 - 2- THE CONTRACTOR IS RESPONSIBLE TO CONNECT ALL CABLES TO THE PLC.
 - 3- THE CONTRACTOR IS RESPONSIBLE TO CONNECT ALL CABLES TO THE PLC.
 - 4- FLOW SWITCHES AND PRESSURE SWITCHES AND ALL VALVE TO BE CONNECTED TO THE PUMP CONTROL PANEL.
 - 5- ALL INSTRUMENTS SUCH AS BUT NOT LIMITED ENFM, USLS AND PRESSURE TRANSMITTER BE CONNECTED TO PLC PANEL.
 - 6- THE CONTRACTOR SHALL SUBMIT SINGLE LINE DIAGRAM IN THE SUBMITTAL WITH ALL RELATED DATA SHEETS AND TAKE FINAL APPROVAL BEFORE MANUFACTURING THE PANEL.
 - 7- THE CONTRACTOR SHALL SUBMIT SINGLE LINE DIAGRAM IN THE SUBMITTAL WITH ALL RELATED DATA SHEETS AND TAKE FINAL APPROVAL BEFORE MANUFACTURING THE PANEL.

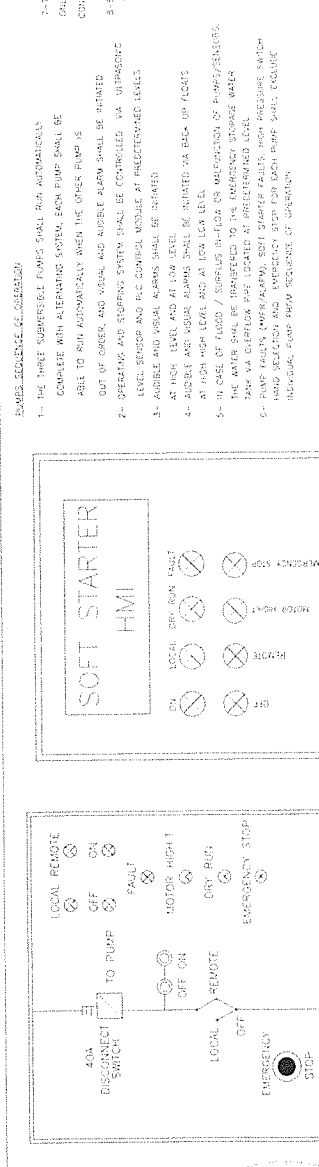




NOTE:
1- CONTROL PANEL DETAILS SHALL BE RECOMMENDED BY MANUFACTURER
2- IN CASE EQUIPMENT CONTROL PANEL INCLUDES MAIN BREAKER OR ISOLATOR NO NEED TO INSTALL ISOLATOR
3- FINAL DETAIL FOR CONTROL PANEL WILL BE SUBMITTED BY EQUIPMENT SUPPLIER DURING CONSTRUCTION STAGE
4- PROVIDE ALL AUXILIARY CONTACTS SWITCHES AND RELAYS

MCP: MOTOR CIRCUIT PROTECTION

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MODIFIED

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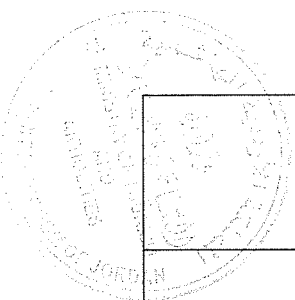
The schematic diagram illustrates a motor control system. It begins with a 480V Disconnect Switch. Following this switch is a selector switch with two positions: LOCAL and REMOTE. In the LOCAL position, the circuit passes through a Motor High Limit switch (represented by a circle with an 'X') and a Motor On/Off switch (represented by a circle with an 'X') before reaching the Motor. In the REMOTE position, the circuit passes through a Dry Run switch (represented by a circle with an 'X') and an Emergency Stop switch (represented by a circle with an 'X') before reaching the Motor. The Emergency Stop switch is a normally closed contact, indicated by a diagonal line through the circle. The Motor is represented by a circle with a wavy line inside.

DOOR BLOCK DIAGRAM
SOFT START
NOT TO SCALE

LOVE, RETAIL
NOT TO SAY

4015
 JUN 19 1964
 DEPT. OF YOUTH
 AND
 RECREATION

Importa nt Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BoQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BoQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>
Comme nt no.	<p>Comment</p> <p>Reply</p>
1	<p>Does the stated RO capacity of 2400 m³/day refer to the production output or volume of raw water to be desalinated?</p> <p>The capacities specified in the BoQs refer to the anticipated production output of the wells.</p>
2	<p>What is the RO plant recovery rate?</p> <p>The recovery expected rate around 75%</p>
3	<p>To estimate the execution of wells, please provide us with the well specification including depth, diameter, casing type, and other relevant details.</p> <p>Regarding the expected depth of the well, and based on existing private wells in the project area, it is estimated to range between 100–150 meters.</p> <p>As for the diameter, casing type, and other relevant details, these should be determined by the contractor's specialized expert during the construction phase.</p> <p>However, for reference only, in Jordan, it is common practice to excavate the first 10 meters of the well with a 20-inch diameter, followed by a 15-inch diameter for the remaining depth, using a 10-inch pipes.</p>



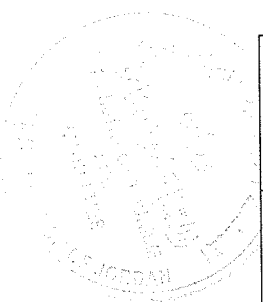
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Comment no.	Comment	Reply
4	To design the RO system, please provide us with the water quality and characteristics of the well water.	The test results for the existing well located within the project area are attached to this addendum. Refer to Attachment Infra-01 -Water Quality for existing wells
5	In reference to the Provisional Sum item for the implementation of site offices for MPWH use, please confirm that this item covers all the site offices required for the Employer and Engineer.	No, it will not cover the required site offices for employer and engineer this P.S only for site offices for MPWH
6	Please clarify the contradiction between the requirements for Temporary Utilities and Facilities. There is a requirement under the conditions of the contract, pages 108-109, and there is another requirement under Infrastructure Technical Specifications, 1.13 Site Establishment, on pages 13 to 16, of 215.	Requirements for temporary utilities and facilities mentioned in infrastructure specifications canceled, the requested requirements that mentioned in COC are considered as determined in page 108-109
7	Please clarify the contradiction between the requirements for Vehicles. The requirement under conditions of contract, page 109 states "Vehicles: Two brand new hybrid vehicles according to the owner requirements for owner and supervision use are required throughout the construction period with all needed energy consumption, maintenance, and all required insurance and all paid taxes, fees and customs duties. Vehicles will refer to the owner's ownership after the	Requirements for Vehicles mentioned in infrastructure specifications canceled, the requested requirements are that mentioned in COC will be considered as determined in page 109 for owner and engineer use In addition to that mentioned in BOQ and determined as P.S for employer use

Importa nt Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BOQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BOQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>	
Comme nt no.	Comment	Reply
	<p><i>project completion," and the requirement under Infrastructure Technical Specifications, 1.13.2.1 Employer/ Engineer's Transportation Provision of Vehicles, on pages 17 of 215 "Four Double Cabin 4-wheels drive of the following characteristics...." And the BOQ states that the "Provisional Sum Item Vehicles: (One brand new hybrid 2400cc 2025 vehicle and two brand new 4x4 pickup 2025) for employer use throughout the construction period with all needed energy consumption, maintenance, and all required insurance and paid taxes, fees and custom duties. Vehicles will refer to the employer ownership after the project completion."</i></p>	
8	<p>Reference to Infrastructure Technical Specifications, 1.13.4 Drivers, on page 18 of 215, it is stated "The Contractor will provide up to four (4) skilled drivers to operate the vehicle during office and overtime hours including transport time from and to site for 6 days a week (priced as separate item in BOQ)". The BOQ does not include a separate item for drivers. Please clarify.</p>	<p>Abide requirement for drivers mentioned in infrastructure specifications 1.13.4 Drivers Page (8), The contractor should include it in his own price for the contract</p>
9	<p>Please specify whether the evaluation process for award is based on combination between technical and financial or the lowest price offered by the qualified contractors.</p>	<p>The lowest price offered by the qualified contractors</p>

Important Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BOQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BOQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>		
Comment no.	Comment	Reply	
10	If the evaluation process for award based on combination between technical and financial, please provide the weight of each.	There is no weight for the technical evaluation	
11	The evaluation marks for the qualification of contractors are unclear; please provide details on how the contractor can earn points for each requirement.	Cancel page no.21 in invitation to tender and Replaced by page no.21 modified refer to (ITT Attachment #5)	
12	إشارة الى الشروط الخاصة الإضافية "على المقاول الالتزام بالتنسيق مع سلاح الهندسة و على كلفة المقاول الخاصة للعمل على مسح المنطقة أثناء تنفيذ أعمال خطوط التمديدات لإزالة الإلغام الواقعة ضمن مسارات الخطوط، على أن يتحمل المقاول كافة المصاريف الإدارية اللازمة للمتابعة و التنسيق مع جميع الجهات المختصة و تعتبر كلفة هذه الأعمال محملة على أسعار العطاء"، نظرا لصعوبة تقدير الكلفة من قبل المقاول، يرجى التكرم بتحديد مبلغ احتياطي لهذه الأعمال ويتم الدفع منه.	الالتزام بما ورد في وثيقة العطاء	
13	إشارة الى الشروط الخاصة الإضافية "على المقاول الالتزام بالتنسيق مع وزارة الزراعة و على كلفة المقاول الخاصة للعمل على إزالة الأشجار الواقعة ضمن مسارات الخطوط أثناء تنفيذ أعمال خطوط التمديدات على أن يتحمل المقاول كلفة المصاريف الإدارية اللازمة للمتابعة و التنسيق مع جميع الجهات المختصة و تعتبر كلفة هذه الأعمال محملة على أسعار العطاء"، نظرا لصعوبة تقدير الكلفة من قبل المقاول، يرجى التكرم بتحديد مبلغ احتياطي لهذه الأعمال ويتم الدفع منه.	التأكيد على أن الأسعار محملة على العطاء وهي من مسؤوليات المقاول	

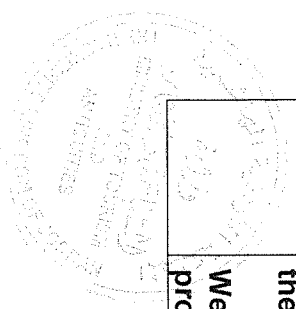
Import Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BoQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BoQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>	
Comment no.	Comment	Reply
14	برجي التكرم بتوضيح التصاريح والجنبيات المسموح لها بالعمل في المنطقة.	سنتم التنسيق قبل البدء بالعمل مع الاستخبارات العسكرية بحيث يتم تقديم قائمة بأسماء جميع العاملين ليتم أخذ الموافقات عليهم
15	برجي توضيح إمكانية إنشاء سكن عمال في أراضي المشروع.	لا يمكن إنشاء سكن عمال في أراضي المشروع (استنجاز خارج الأراضي)
16	برجي تحديد تاريخ إيداع العروض لمدة (4) أسابيع من التاريخ الحالي	Extension of the deadline of submission date to be in 15 th may 2025
17	Could you kindly confirm whether the submission date for the project's financial & technical proposals can be postponed for two weeks?	Refer to Q16 answer
18	Could you please provide the BOQ in Excel format?	BOQ's excel format is provided The bidder should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered Refer to (BOQ Attachment #1 & #2)
19	Is there a well inspection report available for the project site.	Refer to Q4 answer

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Comment no.	Comment	Reply
20	Could you share the soil investigation report?	<p>Refer to Buildings BOQ page AC-1</p> <p>02010 - Soil investigation</p> <p>02200 – Earthworks Note</p> <p>During design stage soil investigation report was not conducted, Refer to Buildings BOQ page AC-1</p> <p>02010 - Soil investigation</p> <p>02200 – Earthworks General Note</p> <p>Investigation recommendations and obtaining approval from supervision engineers.</p>
21	Could you determine the station recovery percent required for the design phase?	The expected recovery for the RO is 75%
22	Has coordination been made with the Royal Air Force regarding the pricing of minimum clearance services in the project area? (Would you consider including this item as a provisional sum in the BOQ?)	Refer to question 12 answer
23	Could you specify the number, types, and locations of trees to be removed, as shown on the AS-BUILT plan of the project site?	Refer to question 13 answer

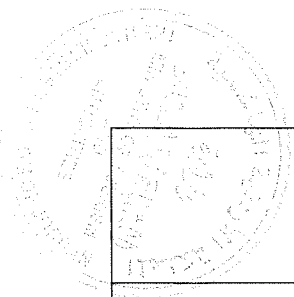


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Comment no.	Comment	Reply
24	Could you please confirm the weight assigned to technical and financial criteria in the project evaluation?	Refer to question 10 answer
25	Could you clarify the name in whose favor the bank guarantee should be issued?	Refer to invitation to tender
26	Could you please confirm whether the project contract basis is a remeasured contract?	fixed price contract refer to COC page 102
27	Is a partnership between local contractor who are classified as "first grade" in two of the tender invitation and a UAE corporation that is qualified in the third classification eligible	No Objection
28	<p>We are writing to kindly request an extension of the deadline for submitting the proposals for Tender No. (1/SP/2025) - CONSTRUCTION OF INFRASTRUCTURE WORKS IN BAPTISM DEVELOPMENT ZONE, KINGDOM OF JORDAN</p> <p>We would greatly appreciate it if you could consider extending the deadline by [specify the amount of time you are requesting, e.g., one month, which will allow us to ensure the submission of a complete and high-quality proposal. We apologize for any inconvenience this request may cause and appreciate your understanding, please let us know if this extension is possible, and if any further information or documentation is required.</p>	Refer to Q16 answer regarding the extension of the proposal submission date.

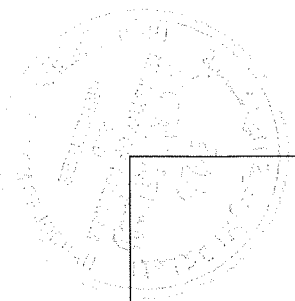
<p>Import Notes</p>	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BoQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BoQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>
<p>Comment no.</p>	<p>Comment</p>
<p>29</p>	<p>We kindly request your support in extending the deadline for submitting clarifications and inquiries related to the tender by an additional 10 days. This extension will allow us to finalize our review and ensure the submission of accurate and comprehensive queries in line with the tender requirements</p>
<p>30</p>	<p><u>Reference to Eligibility and Qualification Criteria and to Joint Venture between Two Local Jordanian Contractors and UAE Corporation</u></p> <p><u>And to clause 2.7.d UAE companies, or joint venture companies that have UAE partner(s), shall be given a 10% preferential discretionary price consideration:</u></p> <p>We would like to inquire about the eligibility for the 10% preferential discretionary price consideration granted to UAE-based companies, as mentioned in the tender documents.</p> <p>In the case where a foreign company operating in the UAE through a registered local branch (licensed and operating under UAE commercial laws) intends to execute the project through this local branch:</p> <p>Would this entity be considered a "UAE company" for the purposes of applying the 10% price preference?</p> <p>We kindly request your confirmation or clarification on this matter to ensure proper compliance with the evaluation criteria</p>



Importation Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BoQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BoQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>
Comment no.	Comment
31	<p>Please confirm we should submitted one original and two copies as per requested in the invitation letter on one original and one copy as per mention in the tender documents</p>
32	<p>To clarify the meaning of 'packaged' could you provide further details. as For a capacity of 995 m³/d, the number of containers required would be substantial.</p>
33	<p>Wastewater inflow characteristics required.</p>
	<p>The project is a new development area that will include:</p> <ul style="list-style-type: none"> (i) The Village (comprising a boutique hotel, restaurants, shops, bazaar, administration building, information center, medical unit/pharmacy, daycare/nursery, gates, ATM zone, ticket booths, restrooms, gazebos/stops, and other required facilities), (ii) A museum with museum shops, a library, and a biblical garden, (iii) A theater, and (iv) A master hotel. <p>As this is a new development, the exact characteristics of the wastewater cannot be accurately determined due to the absence of actual inflow for testing.</p>



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Comme nt no.	<p>Comment</p> <p>Reply</p>
	<p>However, for reference purposes only and based on the anticipated flow from the project area, the expected Design influent wastewater concentrations shall be as follows:</p> <p>COD = 1300 mg/l BOD5 = 700 mg/l TSS = 600 mg/l T-N = 120mg/l T-P = 25 mg/l</p>
34	<p>Minimum design specifications must be established.</p> <p>It is the contractor's responsibility to prepare the required specifications based on the anticipated inflow and outflow, and to ensure coordination with the supervision consultant.</p>
35	<p>Please confirm if treated wastewater will be used for irrigation purposes. If so, specify whether it will be used for trees or landscaping. Additionally, please clarify whether the irrigation water pump and storage tank are included in this item.</p> <p>The use of treated water for irrigation is confirmed, and the tank and pump are included in this item.</p> <p>and regarding the treated effluent, shall conform to the Jordanian standards JS 893-2021 for reclaimed wastewater intended for the irrigation of parks, sports fields, playgrounds, and roadside landscaping within cities and municipal areas.</p>



Importa nt Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BoQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BoQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>	
Comme nt no.	Comment	Reply
36	In B.O.Q. 3 Water Treatment and Desalination Plant "Design, Supply, install, test and commission water treatment and desalination plant to treat well water with a total capacity of 2,400 m3/day ", Kindly clarify:	Refer to Q1, Q2, Q4 answers
37	Minimum design specifications must be established	Refer to Q34 answer
38	Water inflow characteristic required.	Refer to Q4 answer
39	Please provide us with the CCTV Drawings whereas the Lump Sum Item can't be Calculated without the Camera Numbers.	Refer to conditions of contract supplementary information/ field engineering condition for any Lump Sum item and It is the responsibility of the Contractor to Design the system as per requirements and instructions from PSD (Public Security Department) , and to specify cameras number , types, location , and mounting methods , NVR channels and all related works for CCTV cameras are part of the design.
40	Kindly provide us the drawings for signage	Refer to item (8.11) page (R-5) roads and surface drainage BOQ signage details should be submitted to engineer by the awarded contractor to get approval during implementation stage

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Comment no.	Comment	Reply
41	Reference the RO system and WWTP, what is the required BOD5 for the treated effluent	<p>The treated and desalinated water from the RO system is intended for two primary uses: (i) as drinking water, with quality standards that must fully comply with the Jordanian Standard (JS 286:2008) as outlined in the tender documents; and (ii) for irrigation purposes, with the water to be delivered from the RO system to the proposed water and irrigation storage tanks as specified in the tender documents.</p> <p>The treated effluent from the WWTP will be used for irrigation purposes, and its quality must fully comply with the relevant Jordanian standards.</p>
42	Reference the RO system and WWTP, what is the required TSS for the treated effluent	
43	Reference the RO system and WWTP, what is the required COD for the treated effluent	
44	Reference the RO system and WWTP, is UV treatment or chlorine dosing required for the project	Required
45	Reference the RO system and WWTP, is sludge treatment required for this project	Required
46	Reference the RO system and WWTP, what is the end-use of the treated water	Refer to Q41 answer
47	Reference the RO system and WWTP, is nitrification required for the project	Required

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Comment no.	Comment	Reply
48	Please confirm that it is not required to submit (technical data sheets, catalogs) for materials related to the project in the tender stage.	Not required in the tender stage
49	Please confirm that the nominal pressure of the valves is 16 bar.	Confirmed
50	With reference to mechanical BOQ (Item No. 15.2.5) it states that the reference drawing is (M-04-DR100) while this drawing is missing from the mechanical drawings, so please provide it to us.	Delete any Ref. drawings from all BOQs Refer to modified BOQs
51	With reference to mechanical BOQ (Item No. 15.3.1.B) it states that the pump head diameter is 200 mm while in the drawing (M-PU-100) (PUMPS ROOM, MECHANICAL SYSTEM) it indicates the pump header diameter is 150 mm, so please clarify.	Consider 200mm size of Header Cancel (DWG M-PU-100) and replace it by (DWG M-PU-100-Modified) (Mech-Attachment#02)
52	With reference to electrical BOQ - Item No. 16.5.1 (Gate barrier), please provide us with the specs & drawings.	the awarded contractor should submit the selection from the market with all details for engineer's approval during implementation stage
53	With reference to electrical BOQ - Item No. 16.6 (Photovoltaic System), it states that the reference specification is 16770 while this section is missing, so please provide us with this specification.	For PV specification Refer to item, 7.19 page 184 from infrastructure technical specification.
54	With reference to electrical BOQ - Item No. 16.8 (CCTV System), it states "complete with all accessories as per specification" so please provide us with these specifications.	Refer to additional section for SURVEILLANCE SYSTEM (CCTV) specification (Attached no. Elec.-01)

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Comment no.	Comment	Reply
55	With reference to electrical BOQ - Item No. 16.8 (CCTV System), please provide us with the total number of cameras required.	Refer to question no. 39 answer
56	With reference to electrical BOQ - Item No. 16.8 (CCTV System), please provide us with the number of channels for each NVR.	Refer to question no. 39 answer
57	With reference to mechanical BOQ - Item No. 2 (Proposed wells), please confirm our understanding that the number of proposed wells is 3 which are nominated (No1, No2 & No4 proposed well expected) as per the drawing (E-G-LV). In addition, please confirm that there is no well number 3, In addition, please confirm that there is no well number 3.	We confirm that the total number of wells is three, specifically wells numbered 1, 2, and 4.
58	With reference to mechanical BOQ - Item No. 2 (Proposed wells), please provide us with the drawing for the well head assembly.	Refer to Q3 answer
59	With reference to mechanical BOQ - Item No. 2 (Proposed wells), please provide us with the head & flow of the submersible well pumps.	Regarding the expected head, please refer to Q3. As for the flow rate, it is anticipated to be 33 m³/hr per well, based on the information provided by the Jordan Valley Authority during the design stage.
60	With reference to mechanical BOQ - Item No. 2 (Proposed wells), please provide us with the diameter & quantity of riser pipes.	Refer to Q3 answer
61	With reference to mechanical BOQ - Item No. 2 (Proposed wells), it states "Supply and install complete chain fence (2m High) for the 2 well sites" but the number of wells required is 3 and not 2, so please clarify.	Confirm that the chain fence for 3 wells and not 2
62	Is it required for the desalination plant to be composed of two equal parts (desalination lines) so that there are two completely separate streams in all stages (pre-treatment, pumps, sensors, meters, etc.), please confirm?	It is the contractor's responsibility to determine the best technology in coordination with the client and all stakeholders

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Comment no.	Comment	Reply
63	What is the approximate area – footprint required for each plant (RO and WWTP)?	It will be based on the design proposed by the awarded contractor for the RO system and the WWTP.
64	Is there a source of electricity and water during construction?	The contractor is responsible for securing the necessary electricity and water required during the construction phase.
65	What would be the preferred process technology for the treatment of wastewater ? MBBR, SBR, Extended Aeration, etc ?	Refer to Q62 answer.
66	shall we consider spare pumps in our offer?	No need
67	do you have any collection tanks for the raw water of the RO unit and for the WW?	The cost of the required collection tanks located within the RO and WWTP sites will be included in their respective cost
68	Kindly provide us with the water analysis for the water to be treated by the RO plant. Kindly provide us with the wastewater analysis concerning the following parameters:	Refer to Q4 answer
69/1	Total Organic Carbon TOC	Refer to Q33 answer
69/2	Total Suspended Solids TSS	
69/3	H ₂ S content	

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Comment no.	Comment	Reply
69/4	BOD	
69/5	COD	
69/6	NH ₃	
70	What will the treated wastewater be used for? Is it for irrigation? And what types of trees will the water be used for?	The treated effluent shall conform to the Jordanian standards JS 893-2021 for reclaimed wastewater intended for the irrigation of parks, sports fields, playgrounds, and roadside landscaping within cities and municipal areas.
71	Is there an existing electrical transformer in the station, and is it of sufficient capacity to power the new plant at full capacity?	Refer to drawing no. E-R-100 and provisional sum item All new electrical panels shall be supplied by new transformer
72	Kindly provide us with the General Layout drawings for the main components of the plant and the available spaces in AutoCAD format, with all measurements and dimensions clearly indicated.	The contractor is responsible for preparing all necessary designs and drawings for all components and obtaining the client's approval.
73	Are there any drawings that would help in understanding the mechanical, electrical, and civil requirements of the project?	Refer to Q72 answer
74	When can we do a site visit?	Refer to invitation to tender

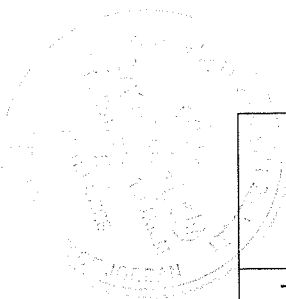
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Comme nt no.	Comment	Reply
75	Kindly inform us who holds the responsibility for coordinating with the Engineering Corps regarding the removal of landmines at the project site.	It is the responsibility of the contractor to follow up with Royal Corp to clean 26 dunum in the project
76	We would like to confirm whether the removal of trees at the project site is to be carried out at the contractor's expense, as indicated in the tender documents. Kindly clarify if there are any specific procedures or permits required for this scope of work.	Refer to question 13 answer
77	Please provide us the wells depth	Refer to Q3 Answer
78	We kindly request the extension of the time for submission of the tender.	Refer to Q16 answer
79	Could you kindly confirm whether the submission date for the project's financial & technical proposals can be postponed for two weeks?	Refer to Q16 answer
80	Item 3.4 WWTP "Design, Supply, install, test and commission packaged was plant to treat domestic wastewater with a total capacity of 995 m3/day " Kindly advice below:	
80/I	Wastewater inflow characteristics.	Refer to Q33 answer

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Comme nt no.	Comment	Reply
80/II	Do you need all the plant to be containerized? Inlet PS, Pretreatment, aeration & treatment?	We prefer the water treatment and desalination system to be housed in containers for easier transportation, installation, and protection.
80/III	Design concept outline to be provided.	Refer to Q72
80/IV	Is a SCADA system necessary?	Abide to the tender documents
	As for the water treatment plant (RO):	
81/I	The inlet water analysis.	Refer to Q4 answer
81/II	Do you need all the plant to be containerized? or should it be within a concrete	Containerized
82	Referring to BOQ Page (R-2) Item 3.03.1: <p>"15-20 cm Aggregate Base Course, mixed in mixing plant and placed by a propelled spreader (finisher), CBR > 80% at 100% MD."</p> <p>- Quantities do not need to use the spreader, Clarify if it possible to work without it ?</p>	Abide with what mentioned in the tender documents.

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<p>Comment no.</p>	<p>Comment</p>
<p>83</p>	<p>Referring to BOQ Page (AC-7) Item L.S : " Design & build Concrete building approximate area is 300m2 , the building room components [generator , transforms, low tension panels] The price includes but not limited to the following: Testing, Commissioning, Workmanship, Soil investigation, Soil improvement if required, Reinforced concrete for all sub-structural and super-structural elements with ready mix reinforced concrete (C30), 30 N/mm2 at 28 days compressive cubic strength, with sulphate resistant cement, Reinforcement steel, Structural excavation, Backfilling, All plain concrete works, Masonry, All finishing works, notes: the contractor shall submit full design including proper doors for equipment and trenches and openings for cable installation the contractor shall submit full electrical design based on Electrical boq the contractor shall submit full mechanical design based on mech boq the contractor to take approvals from eldcirclal authority supervision engineer before construction" • Please , give us the architectural details for this building for example ; how many floors does it consist of ?</p>
<p>84</p>	<p>- According to the COC Para (2.4) Evaluation Criteria page (13 of 20) : " e) The tender implemented by Jordanian companies will be taxes and fees exempted, excluding income tax."</p>
	<p>- تغطية جميع الضرائب والرسوم المترتبة على المشروع والمنفذ من قبل الشركات الاماراتية (بما فيها ضريبة الدخل وضريبة المساهمة الوطنية والتأكد أيضاً على تغطية جميع</p>

Import Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BoQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BoQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>	
Comment no.	Comment	Reply
	<p>Please confirm that the project is exempted from all taxes such as ; stamps tax , customs and vat fees up to zero ?</p>	<p>الضرائب والرسوم المترتبة على المشروع والمفدة من قبل الشركات الأردنية باستثناء ضريبة الدخل.</p>
85	<p>According to BOQ / RO SYSTEM page (W 3) ;</p> <p>" Water Treatment and Desalination Plant -Lump Sum Design, Supply, install, test and commission water treatment and desalination plant to treat well water with a total capacity of 2,400 m3/day , including Pre-treatment ,RO unit(s) and tertiary treatment to produce effluent quality to meet Jordanian standards JS286:2008 for drinking water. The price shall include all required Civil works, Mechanical Works and Electrical works for the whole plant and any other works deemed necessary by the Engineer."</p> <p>- Clarify the full details for the wells such as the depth ??</p>	<p>Refer to Q3 answer</p>
86	<p>According to BOQ item 33.1.1 page (M INFRA -1) :</p> <p>" Fire Fighting Pipes</p> <p>Section 5.0-FIRE SUPPRESSION UTILITY DISTRIBUTION PIPING</p> <p>33.1.1 Supply, install, test, commission, materials, inclusive manpower, workmanship, fittings, accessories, training, laboratory testing from royal scientific society (RSS) and all requirements from all aspects as per the supervision engineer's instructions with getting the approval duly in advance:</p>	<p>Consider 180 mm HDPE outer diameter. Replace M-00-FF-100 with new M-00-FF-100-Modified (Mech-Attachment#01)</p>

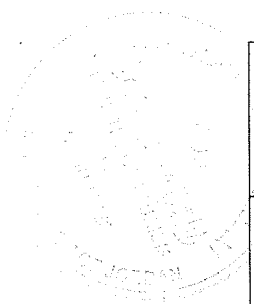
Important Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BoQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BoQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>	Reply
Comment no.	<p>Comment</p>	
87	<p>HDPE PN 20 PE 100 SDR 9 pipe according to DIN(8074,8075) and to ISO 4427-2, the price shall include fixing works and supports and accessories for Firefighting water supply. Rate also to include, all builder works, excavation, drilling, bedding, warning PE tape for Irrigation water application, and shall includes fittings, welding isolating valves and accessories, drain valves automatic air vents and workmanship, complete as shown on drawings and as per specifications and Engineer's Instructions.</p> <p>A Diam. 150 mm m "</p> <p>• According to the specifications for polyethylene pipes (HDPE - PE 100 Pipes), the pipe size is the outer diameter of the pipe in millimeters, which is 160 mm or 180 mm.</p> <p>Please clarify whether the 150 mm size refers to the inner diameter of the pipe (6-inch size), which is equivalent to the 180 mm size for polyethylene pipes (outer diameter), or the 160 mm size.</p> <p>Please provide us with the pipe size in this item according to the specifications.</p>	<p>Word doc. provided refer to (ITT Attachment #1)</p>
	<p>Please provide the qualification forms as word doc.</p>	



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Comme nt no.	Comment	Reply
	<p>- Referring to BOQ Page (W-3) Item 3:</p> <p>"Water Treatment and Desalination Plant -Lump Sum Design, Supply, install, test and commission water treatment and desalination plant to treat well water with a total capacity of 2,400 m³/day , including Pre-treatment , RO unit(s) and tertiary treatment to produce effluent quality to meet Jordanian standards JS286:2008 for drinking water. The price shall include all required Civil works, Mechanical Works and Electrical works."</p>	
88/1	Do you want to have they system as containerized?	We prefer the water treatment and desalination system to be housed in containers for easier transportation, installation, and protection.
88/2	Is there any item/system should be ASME standard?	Yes, pressure vessels and any other components subject to high pressure must be designed and manufactured in compliance with ASME (American Society of Mechanical Engineers) standards.
88/3	What is the Inlet Water analysis?	Refer to Q4
88/4	What is the end Use of water?	Refer to Q70

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Comment no.	Comment	Reply
	Referring to BOQ Page (WW-1)Item 3.4 :	
	<p>"Design, Supply, install, test and commission packaged wastewater treatment plant to treat domestic wastewater with a total capacity of 995 m3/day, including primary, secondary and tertiary treatment to produce effluent quality to meet Jordanian standards JS893:2021 for reclaimed wastewater. The price shall include all required Civil works, Mechanical Works and Electrical works for the whole plant and any other works deemed necessary by the Engineer."</p>	
89/1	Do you want to have they system as containerized?	Refer to Q88/1 answer
89/2	Is there any item/system should be ASME standard?	Refer to Q88/2 answer
89/3	What is the Inlet Water analysis?	Refer to Q33 answer
89/4	What is the end Use of water?	Refer to Q70 answer
89/5	What is the required effluent BOD5?	Refer to Q70 answer
89/6	What is the required effluent TSS?	Refer to Q70 answer

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Comme nt no.	Comment	Reply
89/7	what is the required effluent COD?	Refer to Q70 answer
89/8	is "UV treatment" or "Chloride dosing" required?	Required
89/9	sludge treatment required?	Required
89/10	is Nitrification required?	Required
	Regarding the evaluation marks for contractor qualification under item 2.0 (Re Experience in Construction of Infrastructure Projects):	The criteria of the similar project is to be infrastructure project with similar tender complexity and similar tender scope of work description
90/1	- Subitem 2.3: The criteria for awarding the full score (10 points) are not clearly defined.	



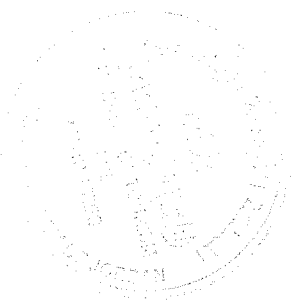
Import Notes	<p>1- Addendum No.1 of this tender is considered an integral part of the tender documents and has the highest priority.</p> <p>2- The contractor must price modified pages according to attachments and if he doesn't do that and price the tender original pages all items within these modified pages will be considered as included items in the total contract price.</p> <p>3- The original BoQs provided at publication of this tender shall be replaced entirely by the attached files, containing 1) compiled BoQs in PDF format and 2) editable Excel sheets to be filled by the bidders in line with the Instructions to Bidders. The bidders should submit hard copy of BOQ in addition to an electronic copy of BOQ if any contradiction appeared between two copies the hard copy will be considered refer to (BOQ Attachment #1 & #2)</p>	
Comment no.	Comment	Reply
90/2	<p>- Subitem 2.5: We request that the allocated marks for this subitem be incorporated into Subitem 2.3, as it appears to be a repetition of the same requirement.</p> <p>Its differentiation based on location does not add value to the evaluation, given that the project will be executed in Jordan and the scope remains the same regardless of its location.</p>	<p>Cancel page no.21 in invitation to tender and Replaced by page no.21 modified refer to (ITT Attachment #5)</p> <p>Regarding the 10 extra marks will be given to UEA companies or any joint ventures that have a UEA company per the details listed in the RFP.</p>
90/3	- Subitem 2.7: The requirement for this subitem lacks clarity and seems to already be addressed in Subitem 2.3.	
91	If the participant is a subsidiary company, is it accepted to use the experience of the mother company.	Not accepted



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Comme nt no.	Comment	Reply
	<p>Referring to BOQ Page (W-3) Item 3:</p> <p>“Water Treatment and Desalination Plant -Lump Sum Design, Supply, install, test and commission water treatment and desalination plant to treat well water with a total capacity of 2,400 m3/day including Pre-treatment , RO units) and tertiary treatment to produce effluent quality to meet Jordanian standards JS286:2008 for drinking water The price shall include all required Civil works, Mechanical Works and Electrical works.”</p>	
92/1	<p>Q1: we need a water test for the incoming water to fully quote and decide on the mix ratio (if there is any, can you please ask if the 100m3/hour is pure RO water or mixed drinking at 90-120 ppm). The water test will help us project which membrane type to use and type of anti-scalant and pre-treatment required?</p>	Refer to Q4 answer
92/2	<p>Q2: Is there space for two containers, or should the treatment be in one container asking as it might be suitable to create two lines of treatment with pretreatment filtration and chlorination. Each treatment line can produce 50 m3/hour, as a suggestion need to know in general what type of treatment train they are thinking about as quite a bit in terms of price?</p>	There is enough space

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Comment no.	Comment	Reply
92/3	Q3: Final tank to collect water and pump is to the desired location (we need type and size they require as per their water needs)?	A comprehensive design of the main water, irrigation tanks and pump stations is provided in the Tender Documents (TD).
92/4	Q4: Pumps for delivery (also those pumps and set up we need to know the sp a VFD is required if we are delivering over distances)?	The required pumps and storage tanks, both before and after the proposed RO system, shall be the responsibility of the contractor to properly design.
92/5	Q5: please identify the mixing point as apart of water treatment?	The mixing part will be part of the water treatment
	<p>Referring to BOQ Page (WW-1) Item 3.4:</p> <p>"Design, Supply, install, test and commission packaged wastewater treatment plant to treat domestic wastewater with a total capacity of 995 m3/day, including primary, secondary and tertiary treatment to produce effluent quality to meet Jordanian standards JS893:2021 for reclaimed wastewater. The price shall include all required Civil works, Mechanical Works and Electrical works for the whole plant and any other works deemed necessary by the Engineer."</p>	

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Comme nt no.	Comment	Reply
93/1	Q1: There is no provided schematics, we would like to see the lifting station sizing and configuration. Further, there should be an equalization tank underground so that we can regulate and/or absorb different flow rates.	Refer to Mechanical Details for Pumps Cancel (DWG-M-D-100) and replace it by (DWG M-D-100 MODIFIED) Cancel mechanical Specification (Page No. 153) and replace it by (Page No. 153-MODIFIED) (Mech-Attachment#04 and #05)
93/2	Q2: how they propose to divide the flow into containers	It is the contractor's responsibility to design the suitable system
93/3	Q3: The container technology is no specified. The treatment unit can use either SBR, MB or activated sludge, depending on the desire of the client. We would like to propose MB technology.	Refer to Q93/2 answer
93/4	Q4: The container manufacturing origin is not specified, can it be locally made or imported from China or India, or turkey. Can you please specify the manufacturing origin?	It is the contractor's responsibility to develop a suitable system in coordination with the client and relevant stakeholders.
93/5	Q5: 5. In terms of origins is there a specific manufacturer for the pumps?	Refer to Q93/4. answer



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Comme nt no.	Comment	Reply
94	Referring to BOQ Page (WW-1) Item 3.3A: DI Pipes laid in all Types of Surfaces: 3.3A 200 mm pressure pipeline Q1: Please Advise For C Class For Pipe C40 or K9	C16
95	We kindly request an extension of the clarification period, as the Eid holiday has not allowed sufficient time for a proper review and study of the tender documents.	There is no extension
96	Please extend the tender submission deadline to enable us to complete the estimation work after receiving the clarification responses	Refer to 16 answer
97	Is this project subject to 0 % Sales tax and Customs?	Refer to question 84 answer
98	Clarification of whether the tender is subject to any exemptions from fees and stamps	Refer to question 84 answer
99	Can you provide us by the BOQ in excel format and please confirm if the hardcopy of the BOQ can be filled out using words and digits via electronic typing instead of manual filling.	Refer to question 18 answer
100	Please advise if we are permitted to use a portion of the project area as a warehouse for storage, as well as for loading and unloading materials.	No objection
101/1	For the RO system item (Water Treatment and Desalination Plant): As discussed in the site visit, please provide us with a Water Laboratory Report for the existing so can proceed with the design	Refer to Q4 answer

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Comme nt no.	Comment	Reply
101/2	In addition to the requirements of the Final Water quality.	Refer to Q41 answer
	For the WWTP:	
102/1	Please provide us with a Water report so can proceed with the design based on the Influent Water.	Refer to Q33 answer
102/2	The type of the Plant: Open WWTP or MBBR WWTP (Moving Bed Biofilm Reactor)?	Refer to Q65 answer
102/3	And advise about the requirements of the Final Stage Treatment : (Water Recycling, Environmental Discharge, Percolation or Evaporation Ponds)?	Refer to Q65 answer
103	The Electrical Drawings Didn't Include Plans & Riser Diagram For Ipctv System (Item 16.8 In Boq, Page E-Infra-9)	Refer to Q39 answer
104	The Electrical Drawings Didn't Show The Exact Location Of Generator.	The generator will be installed at building C
	The Electrical Drawings Didn't Include Details For The Following Panels:	
105/1	Emdb-C	For PV specification Refer to item, 7.19 from infrastructure technical specification.
105/2	Feeder Pillar (F.P-Charge 1)	Refer to additional section for SURVEILLANCE SYSTEM (CCTV) specification (Attached no. Elec.-01)
105/3	Feeder Pillar (F.P-Charge 2)	Refer to question no. 39 answer

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Comment no.	Comment	Reply
105/4	Db-C	Refer to question no. 39 answer
105/5	Smdb-Ffp	For PV specification Refer to item, 7.19 page 184 from infrastructure technical specification.
105/6	Smdb-Solar C1	Refer to additional section for SURVEILLANCE SYSTEM (CCTV) specification (Attached no. Elec.-01)
105/7	Smdb-Solar C2	Refer to question no. 39 answer
105/8	Smdb-Solar C3	Refer to question no. 39 answer
106	The Drawings Didn't Include Details Or Plans For Gate Parking Barrier System	This item should be submitted to engineer by the awarded contractor to get approval during implementation stage
	The Drawings Didn't Show The Loads Connected To The Following Panels:	
107/1	Emdb-C	For PV specification Refer to item, 7.19 page 184 from infrastructure technical specification.
107/2	Db-C	Refer to additional section for SURVEILLANCE SYSTEM (CCTV) specification (Attached no. Elec.-01)
107/3	Smdb-Ffp	Refer to question no. 39 answer

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Comme nt no.	Comment	Reply
107/14	Smdb-Solar	Refer to question no. 39 answer
108	IN ELECTRICAL DRAWINGS, SHEET NO. E-G-02 "ELECTRICAL DETAILS", THE LIGHTING POLE IS 11.4 meter AND THE ARM IS 0.6 meter, WHILE IN BOQ THE HEIGHT IS 10 meters. PLEASE CLARIFY.	For PV specification Refer to item, 7.19 page 184 from infrastructure technical specification.
109	FOR ITEM 16.1.A IN BOQ, CAN WE PROPOSE CABLE 4x35mm ² CU/XLPE/SWAPVC INSTEAD OF CABLE 4x35mm ² AL/XLPE/SWAPVC FOR STREE LIGHTING POLES, SINCE THE COPPER CABLES ARE AVAILABLE IN THE LOCAL MARKET MORE THAN THE ALUMINUM CABLES.	Refer to additional section for SURVEILLANCE SYSTEM (CCTV) specification (Attached no. Elec.-01)
110	IN BOQ ITEM 16.4, THE FORM OF MDB'S IS 2b, BUT THE FORM 4 PANELS ARE MORE SUITABLE FOR AIR CIRCUIT BREAKERS WITHDRAWABLE TYPE, AND THE QUANTITY & AMPERE RATINGS OF CIRCUIT BREAKERS. PLEASE CLARIFY.	Refer to question no. 39 answer
111	Please confirm that it is not required to submit (technical data sheets, catalogs) for materials related to the project in the tender stage.	Refer to question 48 answer
112	If the technical data sheets are required to be submitted during the tender stage, please provide us with the items for which a technical data sheets are required.	Not required
113	According to drawing No. (M-PU-100) (PUMPS ROOM, MECHANICAL SYSTEM), please confirm that the valves & fittings required for each pump (DWCP-01) are: 2 gate valves, 1 check valve & 200/150 reducer)	Refer to Mechanical Details and specifications

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Comme nt no.	Comment	Reply
114	With reference to mechanical BOQ (Item No. 15.1.3) it states that the strainers, globe valve, pressure gauges, pressure switches should be priced while in the mechanical drawings (M-PU-100, M-PU-101 & M-LS-100) there is no mention of them, so please clarify.	Refer to Mechanical Details and specifications
115	Please confirm that the nominal pressure of the valves connected with each pump is 16 bar.	Refer to specifications
116	According to drawing No. (M-PU-100) (PUMPS ROOM, MECHANICAL SYSTEM), it is mentioned that number 3 refers to the gate (control) valve, while this valve is not mentioned in the drawing, so please clarify	Refer to Mechanical Details and specifications
117	With reference to electrical BOQ - Item No. 16.5.1 (Gate barrier), please provide us with the specs & drawings.	Refer to Q52 answer
118	With reference to electrical BOQ - Item No. 16.6 (Photovoltaic System), it states that the reference specification is 16770 while this section is missing, so please provide us with this specification	Refer to question no. 53 answer
119	With reference to mechanical BOQ - Item No. 2 (Proposed wells), please confirm our understanding that the number of proposed wells is 3 which are nominated (No1, No2 & No4 proposed well expected) as per the drawing (E-G-LV). In addition, please confirm that there is no well number 3, In addition, please confirm that there is no well number 3	Refer to Q57 answer
120	With reference to mechanical BOQ - Item No. 2 (Proposed wells), please provide us with the drawing for the well head assembly	Refer to Q3 answer

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Comme nt no.	Comment	Reply
121	With reference to mechanical BOQ - Item No. 2 (Proposed wells), please provide us with the head & flow of the submersible well pumps	Refer to Q59 answer
122	Is it required for the desalination plant to be composed of two equal parts (desalination lines) so that there are two completely separate streams in all stages (pre-treatment, pumps, sensors, meters, etc.), please confirm?	Refer to Q62 answer
123	What is the approximate area – footprint required for each plant (RO and WWTP)?	Refer to Q63 answer
124	Is there a source of electricity and water during construction?	Refer to Q64 answer
125	What would be the preferred process technology for the treatment of wastewater? MBBR, SBR, Extended Aeration, etc ?	Refer to Q65 answer
126	Shall we consider spare pumps in our offer?	Refer to Q66 answer
127	Do you have any collection tanks for the raw water of the RO unit and for the WWTP?	Refer to Q67 answer
128	Kindly provide us with the water analysis for the water to be treated by the RO plant	Refer to Q41 answer
	Kindly provide us with the wastewater analysis concerning the following parameters:	
129/1	Total Organic Carbon TOC	Refer to Q33 answer
129/2	Total Suspended Solids TSS	
129/3	H ₂ S content	
129/4	BOD	
129/5	COD	

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Comment no.	Comment	Reply
129/6	NH ₃	
130	What will the treated wastewater be used for? Is it for irrigation? And what types of trees will the water be used for?	Refer to Q41 answer
131	Is there an existing electrical transformer in the station, and is it of sufficient capacity to power the new plant at full capacity?	Refer to drawing no. E-R-100 and provisional sum item. All new electrical panels shall be supplied by new transformers
132	Kindly provide us with the General Layout drawings for the main components of the plant and the available spaces in AutoCAD format, with all measurements and dimensions clearly indicated.	Refer to Q93/2 answer
133	Are there any drawings that would help in understanding the mechanical, electrical, and civil requirements of the project?	Refer to Q73 answer
134	According to drawing No. (E-LS-101) (LIFT STATION ELECTRICAL SYSTEM-2), it is evident that there is an EMFM. Therefore, please provide us with its diameter & pressure rating, and indicate under which item its cost will be charged.	Refer to modified drawing no. E-LS-101
135	According to drawing No. (E-R-100) (Power Risers) –MDB-C1 Riser, it is evident that there are (2 existing wells & 2 proposed wells). Accordingly, please clarify whether there are indeed existing wells, and if any equipment supply or maintenance is required for these two wells. Additionally, please indicate under which item their cost will be charged. Also, kindly confirm the number of proposed wells-is it 2 ??	Refer to modified drawing no. E-R-100, all wells are proposed.
136	According to drawing No. (E-R-100) (Power Risers), It seems that the generator doesn't exist on the power riser, please advise.	Refer to conditions of contract supplementary information/ field engineering condition for any Lump Sum item and the awarded

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Comment no.	Comment	Reply
		Contractor should submit single line diagram , load study, calculations and all needed data to engineer to get approval during implementation stage
137	According to drawing No. (E-LS-101) (LIFT STATION ELECTRICAL SYSTEM-2), it is shown that the total number of submersible pumps is 3 (Sum pump1, Sum pump2 & Sum pump3). However, in the mechanical works BOQ, item No. 15.2.5 mentions two pump sets : SUMP-01 & SUMP-05. Accordingly, please clarify whether the pumps shown in the drawing are the same as those mentioned under this item.	In drawing no. E-LS-101 , the submersible pumps are 3 which is align with mechanical schedule and Boq for SUMP-05 quantities
138	Is there any restriction on the origin for the supply of electromechanical materials??	The bidder is requested to follow the instructions of the GOJ
	For New Wells:	
139/1	what is the drilling diameter size ?	Refer to Q3 answer
139/2	what are the drilling specs?	
139/3	what is the total depth of the wells ?	
139/4	will the electrical supply of the well be sourced from the Main electrical room or from electrical room service beside the well ?	Main electrical source
139/5	what are the specs of the well water equipment such as (water motor and pump , cables , pipes , casingetc?	Refer to Q93/2 answer
139/6	is a recovery tank required after the well ?	Refer to Q93/2 answer
	For O	
140/1	Has a water quality laboratory rotary test been conducted to determine the required treatment?	Refer to Q4 answer

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Comme nt no.	Comment Reply
140/2	Is a sand filter required before the R.O. treatment plant? Refer to Q65 answer
140/3	Will the output (drain) water from the R.O. system be collected in tanks? Refer to Q65 answer
140/4	Will the R.O. drain water be reused for irrigation purposes? Refer to Q65 answer
140/5	Will the potable (drinking) water from the R.O. plant be stored in a tank prior to distribution? Yes as per the tender documents TD
140/6	Will the R.O. inlet be supplied directly from the three wells, or through a centralized inlet collection tank? Refer to the tender documents TD
140/7	Is a containerized R.O. plant type approved for this project? yes
140/8	What is the inlet water temperature? Refer to Q4 answer
141/1	For Irrigation tank : The irrigation system connected to the proposed irrigation (refer to the tender documents) storage tank which will receive water from both the RO system and the effluent from the WWTP.
141/2	What are the pump specifications? Refer to the tender documents TD
141/3	Will the irrigation system be automated or manual? Refer to the tender documents TD
141/4	What is the capacity of the irrigation tank? Refer to the tender documents TD
141/5	What types of crops or vegetation (yields) are planned for irrigation? Refer to Q41 answer
142	Regarding the water Desalination Unit Please provide us with Raw water Analysis including TDS, HH, Fe,H2S etc... Refer to Q33 answer

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Comment no.	Comment	Reply
143	For Waste Water Treatment Plant also We need the Analysis for waste water including BOD,COD,TSS, Total N, Total P	Refer to Q70 answer
144	For Waste Water Treatment Plant , please clarify the design effluent criteria for the discharge	Refer to Q70 answer
145	For Waste Water Treatment Plant , please clarify the use of Discharge water is it for wadi or Irrigation.	Refer to Q70 answer
146	If the discharge water for irrigation please confirm the need of Irrigation Tank.	The effluent from the WWTP will be utilized for irrigation purposes. The storage tank, pump station, and pipeline extending from the WWTP to the main irrigation storage tank are included within the design scope of the WWTP.
147	Please clarify for The area where there are mines. How will coordination with the army in this regard? Is it the contractor's responsibility?	Refer to Q75 answer
148	We respectfully request a two-week extension for clarifications from the original deadline date, considering the reduced working hours during Ramadan and the Eid Al-Fitr holiday.	Refer to invitation to tender
149	We kindly request a one-month extension for the submission of the tender proposal from the original due date, due to limited working hours during Ramadan and the Eid Al-Fitr holiday.	Refer to Q16 answer
150	We kindly request the extension of the time for submission of the tender.	Refer to Q16 answer

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Comment no.	Comment	Reply
	Item 3.4 WWTP "Design, Supply, install, test and commission packaged wastewater treatment plant to treat domestic wastewater with a total capacity of 995 m3/day "	
151/1	Kindly advice below: Wastewater inflow characteristics.	Refer to Q33 answer
151/2	Do you need all the plant to be containerized? Inlet PS, Pretreatment, aeration & tertiary treatment?	Refer to Q93/2 answer
151/3	Design concept outline to be provided.	Refer to Q93/2 answer
151/4	Is a SCADA system necessary?	Refer to Q80/IV answer
	As for the water treatment plant (RO):	
152/1	The inlet water analysis.	Refer to Q4 answer
152/2	Do you need all the plant to be containerized? or should it be within a concrete house?	Refer to Q80/II answer