NATIONAL WATER CONSERVATION AND PIPELINE CORPORATION

TENDER NOTICE

TENDER FOR FINANCE DESIGN AND BUILD FOR ISIOLO DAM WATER SUPPLY PROJECT

Tender No. NWC/RT/010/2017-2018

CLARIFICATION ON ISSUES RAISED BY BIDDERS.

National Water Conservation and Pipeline Corporation wishes to make the following amendments to the above mentioned tender.

S/No.	REFERENCE	QUERRY	RESPONSE
1	VOLUME 1 BID DOCUMENT, SECTION III INSTRUCTI ONS TO TENDERERS 3.10.2 All duties and taxes and other levies payable by the tenderer under the Contract or for any other cause prior to the deadline for the submission of tenders,shall be included in the rates and prices and total prices submitted by the Tenderer.	Please confirm the types of taxes to be paid by the contractors and relevant rates. Please confirm whether the VAT and customs duties areincluded or not.	<u>For local firms (Incorporated in Kenya):</u> 16%VAT where 6% is deducted at payment and 10% paid directly of Kenya Revenue Authority and 3% withholding tax <u>Firms not incorporated in Kenya</u> 16% reverse tax (deducted at payment point) and relevant withholding tax depending on the country of origin as per tax agreement between two countries. (The Contractors to confirm with KRA - Kenya Revenue Authority) All taxes, duties and other levies payable by the tenderer before and during the Contract should be included in the tender price

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2	VOLUME 1 BID DOCUM ENT, SECTION III INSTRUCTI ONS TO TENDERERS 3.10.3 Unless otherwise specified the tenderer must enter the amounts representing 10% of the Sub-total to the summary of the Bills of Quantities for Contingencies and Variation of Prices [V.O.P] payments in the summary sheet and add them to the sub-total to arrive at the tender amount.	10% Contingencies and Variation of Prices [V.O.P] shall be included in the price proposal as per INSTRUCTIONS TO TENDERERS, but no Contingencies and Variation of Prices[V.O.P] is found in the BOQ. Please confirm whether it needs to be added by the bidder.	Yes, it should be added. Addendum no 2 to be provided
3	VOLUME 1 BID DOCUM ENT, SECTION III INSTRUCTIONS TO TENDERER, APPENDIX TO CONDITIONS OF CONTRACT Sub-Clause 14.2 The advance payment shall be 2.5% of the contract price less provisional sums and will be payable in one installment…. Sub-Clause 14.2(b) 10% of Interim Payment Certificate to be repaid from as from when the works are 25% and completed prior to the time when 75% of the accepted contract price less provisional sum has been certified for payment.	The amount of advanced payment in Sub-Clause 14.2 is 2.5%, while the amount of repay advanced payment is 5% in Sub-Clause 14.2(b), please confirm the in-conformity.	Sub-Clause 14.2 The advance payment shall be 2.5% of the contract price less provisional sums and will be payable in one installment…. Sub-Clause 14.2(b)10% of each Interim Payment Certificate shall be deducted as from when the works are 25%. The last installment shall be deducted when the works is 75% or earlier less the provisional sum.

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4	VOLUME 1 BID DOCUM ENT, SECTION II PROJECT BRIEF 2.2 Scope of Project Works :Raw water gravity main of 500m long and 1,000mm internal diameter steel pipe VOLUME Ⅱ W ORK S REQUIREM ENT & SPECIFICATIONS Scope of Works : e) Raw water gravity main (i) Construction of a 634m long DN1000mm raw water gravity mains to the treatment works	The length of Raw water gravity main is not same, please confirm it.	The raw water main is 'DN 900m and 1,100m long'
5	VOLUME 11 W ORK S REQUIREM ENT & SPECIFICATIONS Scope of Works: The scope of the works is described in detail in design report and in the specific drawings.	Please provide Design report.	To be provided dam drawings in pdf version.
6	VOLUME 11 W ORK S REQUIREMENT AND SPECIFICATIONS Scope of Works : d)Access Roads and Hardstand Areas	Please confirm the length and width of Access Roads, the start and end location of Access Roads.	The width of the road is 6m and length is 1.55km. Please also refer to the drawings provided.

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7	VOLUME I BID DOCUM ENT SECTION Ⅲ INSTRUCTI ONS TO TENDERERS 3.10.5 The rates and prices quoted by the tenderer are subject to adjustment during the performance of the Contract only in accordance with the provisions of the Conditions of Contract. The tenderer shall complete the schedule of basic rates and shall submit with his tender such other supporting information as required of the Conditions of Contract	Please provide Schedule of basic rates or Schedule of Adjustment Data.	Provided
8	VOLUME 111 BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.07 : Include percentage of item 1.07 for Contractor's overheads and profits	Please confirm whether“ item 1.07 ”in item 1.07 is “ item 1.06 ”	Item 1.07 should read: Include percentage of item 1.06 for Contractor's overheads and profits
9	VOLUME 111 BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS :1.38 : Include percentage of item 1.38 for Contractor's overheads and profits	Please confirm whether“ item 1.38 ”in item 1.38 is “ item 1.37 ”	Item 1.38 should read: Include percentage of item 1.37 for Contractor's overheads and profits

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10	VOLUME 111 BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018, BILL No.1:PRELIMINARIES AND GENERAL ITEMS The item 1.39 next Item "Removal and alteration of services"	This item has no item number and no quantity follow it,Please confirm the scope of work and whether it require quotation or not.	See item No 2 in addendum No 2.
11	VOLUME 111 BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.41 : Include percentage of item 1.21 for contractor's overheads and profits	Please confirm whether" item 1.21 "in item 1.41 is correct.	Item 1.41 should read: …….Include percentage of item 1.40 for contractor's overheads and profits…….
12	VOLUME 111 BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.44 : Include percentage of item 1.23 for contractor's overheads and profits	Please confirm whether" item 1.23 "in this item 1.44 is correct.	Item 1.44 should read: …….Include percentage of item 1.43 for contractor's overheads and profits…….

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13	VOLUME 111 BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.49 : Include percentage of items 1.25 &1.26 and 1.27 for contractor's overheads and profits	Please confirm whether“ 1.25 & 1.26 and 1.27”in item 1.49 is correct.	Item 1.44 should read: …….Include percentage of item 1.43 for contractor's overheads and profits…….
14	VOLUME 111 BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.51 : Include percentage of items 1.29 for Contractor's overheads and profits	Please confirm whether“ item 1.29 ”in this item 1.51 is correct.	Item 1.51 should read: …….Include percentage of item 1.50 for contractor's overheads and profits…….
15	VOLUME III BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.53 : Include percentage of item 1.31 for contractor's overheads and profits	Please confirm whether“ item 1.31 ”in this item 1.53 is correct.	Item 1.53 should read: …….Include percentage of item 1.52 for contractor's overheads and profits…….

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16	VOLUME III BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.55 : Include a percentage of item 1.35for contractor's overheads and profits	Please confirm whether" item 1.35 "in this item 1.55 is correct.	Item 1.55 should read: .....Include percentage of item 1.54 for contractor's overheads and profits.....
17	VOLUME III BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.57 : Include a percentage of item 1.37 forcontractor's overheads and profits	Please confirm whether" item 1.37 "in this item 1.57 is correct.	Item 1.57 should read: .....Include percentage of item 1.56 for contractor's overheads and profits.....
18	VOLUME III BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.59 : percentage addition to cover all overhead and profit on 1.51	Please confirm whether" item 1.51 "in this item 1.59 is correct.	Item 1.59 should read: .....Include percentage of item 1.58 for contractor's overheads and profits.....

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19	VOLUME III BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018 ,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.61 : Percentage addition to cover all overhead and profit on 1.53	Please confirm whether“ item 1.53 ”in this item 1.61 is correct.	Item 1.61 should read: …….Include percentage of item 1.60 for contractor's overheads and profits…….
20	VOLUME III BILLS OF QUANTITIES,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERALITEMS 1.74 : All profits and overheads on Item 1.4.1 as inserted for Prime Cost Item in Appendix to Tender	Please confirm whether“item 1.4.1 ”in this item 1.74 is correct.	Item 1.74 should read: …….Include percentage of item 1.72 and 1.73 for contractor's overheads and profits…….
21	VOLUME III BILLS OF QUANTITIES ,BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 1.71 Employ and provide for the sole use of the SRE the following personnel for the entire contract period; 3No.chainmen, 1No. office secretary and 1No.clerk/messenger.	The unit of Item 1.71 is month, and the quantity is 120.Please confirm whether the quotation include the cost of 3No.chainmen, 1No. office secretary and 1No.clerk/messenger. The construction period is 48 month.Please clarify it.	Replace 120 in the quantity column with 240

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22	VOLUME III BILLS OF QUANTITIES ,BOQ-WATER SUPPLY FOR CONTRACT NO NWC-RT-010-2017-2018 ,BILL No.1:PRELIMINARIES AND GENERAL ITEMS 17.1.2 b) Power output - 150 - 200kw VOLUME III BID DOCUM ENT SECTION Ⅱ PROJECT BRIEF"a mini-hydropower of 16MW for generating power for use at the water treatment works site"	Please confirm the installed capacity. How many unit will be installed for the hydropower plant?What is the hydropower station output voltage? Does it supply electricity to the water treatment plant directly?	The mini hydropower is for use at the treatment works only. The power output should be 200KW (2X100KW). Allow for connection to the changeover switch control panel.
23	VOLUME IV DRAWINGS ,Dam drawings Isiolo Dam General Arrangement / Site Layout Plan, Drg NO.NWCPC/ISL/DAM/LM/004	Please confirm whether the existing single lane steel bridge and weir located about 2km upstream of proposed dam axis shall be removed ,whether there is detour plans for the original road in the reservoir area.	The following cost shall be cover under item No. 1.73 Bill A BoQ Dam component. 1. The steel bridge shall be removed since it will be submerged on impounding the reservoir. All the materials to be transported to the water treatment plant compound for safe custody and handover to the employer. 2. The weir shall be submerged and will not be removed. 3. Remove the hydram pump to ol'donyiro, store safely at the treatment and handover to engineer.

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25	VOLUME III BILLS OF QUANTITIES, BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.2:RIVER DIVERSION SYSTEM 2.0.3 Extra over item 7.01 and 7.02 for excavation in hard material	Please confirm whether“ item 7.01and 7.02 ”in item 2.0.3 is “ item 2.0.1 and 2.0.2 ”	Item 2.0.3 should read Extra over item 2.0.1 and 2.0.2 ……
26	VOLUME III BILLS OF QUANTITIES, BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.3:DAM EMBANKMENT 3.9.5 Supply, place and compact drainage to embankment foundations, as per the Specification	This item has no quantity follow it, Please clarify it.	Quantity provide in addendum item No 3
27	VOLUME I BID DOCUM ENT, SECTION III - INSTRUCTIONS TO TENDERERS, APPENDIX TO INSTRUCTIONS TO TENDERERS. Table 5: Financial Requirements, Financing Arrangement	Kindly confirm whether the financing guarantee of this project will be the Sovereign Guarantee provided by the Government of Kenya. If not, please clarify what kind of guarantee you can provide. The financier will give different financing conditions (such as interest rate, repayment period, grace period) as per different Guarantees.	Sovereign Guarantee provided by the Government of Kenya through The Kenya National Treasury.

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29		Please specify the specific location of the storage areaand discard area. Whether these areas are provided to contractor without charge	The Contractor should make arrangements on where to store his construction materials at his own cost. The contractor should also make arrangements where to dump and make good the spoil material at his own cost. Provided it does not affect the reservoir and the environment in general.
30		Please provide Hydrology Report and Geological Report include Materials Investigations Report refer to Proposed project.	To be provided in pdf version
31		Please kindly provide river diversion standards and Diversion design flow.	Diversion design flow is 700cm/sec
32		Except for the proposed hydropower near the Water treatment plant, is there any other power source supply forthe pumping station in water treatment plant, if so, what is the voltage level?	There is a high voltage power at Kimanju shopping center about 15 km from the dam site.

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34	VOLUME III BILLS OF QUANTITIES, BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018, BILL No.1:PRELIMINARIES AND GENERAL ITEMS, BILL No.2:RIVER DIVERSION SYSTEM	Item 1.12 and 2.8 in the BOQ is omitted, please kindly clarify.	Numbering error. Ignore
35	VOLUME IV DRAWINGS ,Dam drawings Isiolo Dam General Arrangement / Site Layout Plan, Drg NO.NWCPC/ISL/DAM/LM/004 VOLUME IV DRAWINGS ,Water supply drawings Dam, Hydropower & Water Treatment Plant Layout, Drg NO.NWCPC/ISL/DAM/LM/001	Dam project drawings and water supply project drawings are inconsistent .Please clarify it.	The correct layout provided
36	VOLUME IV DRAWINGS ,Dam drawings Draw of tower elevation and plan, Drg NO.NWCPC/ISL/DAM/DD/001, Draw off works pipeline details, Drg NO.NWCPC/ISL/DAM/DD/002	According to the drawings, the design flows for the intake parts (water treatment plant, ecological flow, hydropower plant) is not clearPlease confirmed. What is purpose of SCOUR PIPE and its reference flow? We suppose scour pipe and water intake pipe cannot use common main pipe.	See item 68

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38		Please confirm whether there is a footbridge from dam to intake tower, if so, please kindly provide relevant drawings and BOQ.	Yes, there is a foot bridge from the dam embankment to the intake tower. The drawings will be provided.
39	Bid Document, Site Visit & Pre-bid Meeting, Addendum No.1	Considering this is an EPC plus Financing project, the design institute, equipment and material suppliers, contractors, financiers will be all involved, and the scope of work includes not only dam, but also water treatment and pipeline works, and the bid security, letter of intent to financing all takes time, we sincerely request you to pleaseextent the submission date to 15 February 2018.	The date of submission tenders remains 17th January 2018 at 12.00 noon as per addendum no. 1

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41	Please explain Employer's purpose of designing and building the200KW Hydropower project, like the power service area		This is purposely for use in the treatment works to run lights and pumping to Oldonyiro tank and Musul tank as alternative power supply during national grid power failure. The number of turbine-generator units – two(2x100KW) unit preferably Francis type to include the power stabilization with manual changeover from KPLC to Generator, and the annual utilization hours – 8 hours a day on the maximum. Does the Employer have any special requirements on the origin of equipment? – it should be the Europeans standard.
42	The costs for reservoir inundation, land acquisition and resettlement are included in BoQ or not?		The employer shall acquire all the required land to be acquired by the reservoir and any resettlement of persons or property. The Employer will arrange to pay the Compensation

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44	Kindly request for GEOTECHNICAL and MATERIALS INVESTIGATIONSREPORT.		The reports shall be provided in PDF.
45	Does the Bill of Quantities of coffer dams include the coffer dams for construction of the multi-level tower intake and the power house? Please identify.		There are two coffer dams one upstream and another downstream on the dam. The exclusion of water for the purposes of construction of intake tower and power house is deemed to be build in the constructor's rates.
46	VOLUME III BILLS OF QUANTITIES, BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.3: DAM EMBANKMENT 3.3.2 - Exploratory and control holes	Please confirm the diameter and depth of the exploratory and control holes.	The diameter of the holes is 86 and 63mm and 95mm.The depth of the holes is 80m at the river bed or up to refusal whichever is attained earlier while along the abutments the average depth reduces to between 30-40m varying with the water depth
47	VOLUME III BILLS OF QUANTITIES, BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.3:DAM EMBANKMENT 3.3.3 - curtain grouting holes	Please confirm the diameter and depth of the curtain grouting holes.	As in (46) above

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49	VOLUME III BILLS OF QUANTITIES, BOQ-WATER SUPPLY FOR CONTRACT NO NWC-RT-010-2017-2018, BILL NO.7 Rising Main to Oldonyiro 7.4.1 PN 25 DN 150mm HDPE pipe allow for buttfussion 7.4.2 Dittobut PN 25 DN 200mm	The working pressure of HDPE pipe is PN25, not a big one and rarely used, so it is suggested to replace it by steel pipe, please confirm it.	HDPE Pipes of up to 615mm PN 25 are readily available from pipe manufacturers in the country. (800mm will be manufactured in Kenya by June 2018).
51	VOLUME III BILLS OF QUANTITIES, BOQ-WATER SUPPLY FOR CONTRACT NO NWC-RT-010-2017-2018, BILL NO. 16 ELECTRO-MECHANICAL WORKS 16.2.5 Supply Installation testing and commissioning of overhead medium voltage 33kVA power line from existing power line from proposed KPLC power line to the WTW Site approximately 2km long	Please confirm whether the load of 33KV line satisfy the requirement of water treatment plant. The calculated power consumption of water treatment plant is 500-600KW.	The power requirement for the Pumps are as follows -: Musul Hill pump – 139 Kw Oldonyiro Pump – 46 Kw Internal consumption at treatment works is estimated to be 50Kw

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52	VOLUME Ⅲ BILLS OF QUANTITIES, BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.2: RIVER DIVERSION SYSTEM2.11.10 Geotextile fabric BILL No.3: DAM EMBANKMENT. 3.9.6 Geotextile fabric	Please clarify Geotextile fabric's usage and location in drawing. Geotextile fabric is listed in the BOQ of dam and cofferdam.	Geotextile polyfelt material separates the filter material and the main embankment shell materials. It helps to trap the fine materials from the shell lest these fine materials clog the filter materials and reduce the efficiency of the filters.
53	VOLUME III BILLS OF QUANTITIES, BOQ-DAM COMPONENT FOR CONTRACT NO NWC-RT-010-2017-2018,BILL No.10: RAW WATER MAINS 10.4 AIR VALVES	Please kindly provide drawings of Air Valves.	To be provided as in the specifications and location on water pipeline profile.
54	VOLUME Ⅲ BILLS OF QUANTITIES, BOQ-WATER SUPPLY FOR CONTRACT NO NWC-RT-010-2017-2018,BILL NO.6 - Gravity to Isiolo West	Please confirm the specific work content.	This will cover the area around the main reservoirs at Kipsing gap and a transmission main to Mlango
55	VOLUME Ⅲ BILLS OF QUANTITIES, BOQ-WATER SUPPLY FOR CONTRACT NO NWC-RT-010-2017-2018, BILL NO. 12：200m^3 ELEVATED STEEL TANK LONGOPITO TOWN CENTER	It cannot be found in the drawings. Please confirming whether it is 200m^3 or 400m^3.	200m^3 Drawings to be provided

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57	VOLUME III BILLS OF QUANTITIES, BOQ-WATER SUPPLY FOR CONTRACT NO NWC-RT-010-2017-2018, GRAND SUMMARY BILLS B: TOTAL.	There are some differences between GRAND SUMMARY BILLS B: TOTAL and BOQ. Please clarify.	Addressed in item No 1 of Addendum No 2
58	VOLUME I: BID DOCUMENT, 2.2 Scope of Project Works - dam component (spillway) VOLUME IV DRAWINGS ,Dam drawings Longitudinal profile along spillway outflow section, Drg NO. NWCPC/ISL/DAM/DD/018, width of outflow section is 20m.Spillway bridge general arrangement, Drg NO. NWCPC/ISL/DAM/BR/001 and 002, the length of spillway bridge is 24m.	Is the width of outflow section 50m or 20m. And what is the length of spillway bridge. Please kindly clarify.	The width of the outflow section of the spillway is 20m which coincides with the width of the stilling basin. However, the width of the spillway bridge is 24m out of which 20m will be the total length of the spans while 2m will be excavations either side of the bridge along the abutments

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60	VOLUME IV DRAWINGS ,Water supply drawings TREATMENT WORKS-LAYOUT PLAN, Drg No. NWCPC/ISL/WS/TW /001 VOLUME I BID DOCUMENT, SECTION II PROJECT BRIEF 2.2 Scope of Project Works : Water treatment works of 60,000m³/day, two Clear water storage tank of 20,000m³	One 4,000m³ and one 2,000m³ tank in the water plant are indicated in the drawing, while two 20,000m³ tanks are shown in the Scope of Project Works. Please confirm it.	Two tanks, One of 4,000m³ and another of 2,000m³ are in the drawings and bill of quantities. The one in the scoping is erroneous.

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61	VOLUME IV DRAWINGS - Water supply drawings TREATMENT WORKS- PROCESS FLOW drawing No. NWCPC/ISL/WS/TW/00 2 INTAKE TOWER GENERAL ARRANGEMENT drawing No. NWCPC/ISL/WS/IT/01 VOLUME IV DRAWINGS - Dam drawings Draw off works pipeline details, Drg No. NWCPC/ISL/DAM/DD/002	Two 900mm RAW WATER PIPES are shown in the drawing No. NWCPC/ISL/WS/IT/01 INTAKE TOWER GENERAL ARRANGEMENT, and the diameter of RAW WATER as shown in drawing No. NWCPC/ISL/WS/TW/002 TREATMENT WORKS-PROCESS FLOW is 1000mm, While the diameter of RAW WATER as shown in the Drg No. NWCPC/ISL/DAM/DD/002 is one DN900mm, please confirm it.	Raw water mains Diameter is 900mm. The treated water gravity mains is 800mm. An error in the schematic drawing showing treated water mains as 1000mm rectified and drawingis provided.
62	VOLUME IV DRAWINGS, Water supply drawings INTAKE TOWER GENERAL ARRANGEMENT Drg No. NWCPC/ISL/WS/IT/01. Dam drawings Draw of tower elevation and plan, Drg No. NWCPC/ISL/DAM/DD/001	INTAKE TOWER STRUCTURE in two drawings is different, please confirm.	The correct drawing provided.

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63	VOLUME IV DRAWINGS, Dam drawings Dam cross sections D—D, Drg NO. NWCPC/ISL/DAM/DD/009	Please clarify that drawings for bridge of the intake is deficient and there are not quantities in BOQ.	A drawing for the foot bridge is provided in the Addendum and BoQ for the bridge is provided in item 6 of Addendum 2.
64	VOLUME IV DRAWINGS ,Dam drawings The cross section along the abutment, Drg NO.NWCPC/ISL/DAM/DD/001, Draw off works pipeline details, Drg NO.NWCPC/ISL/DAM/DD/002	In drawing The cross section along the abutment（Drg NO.NWCPC/ISL/DAM/DD/001, the diameter of the scour pipe is 2000mm, but the diameter of this pipe is 900mm in drawing Draw off works pipeline details(Drg NO. NWCPC/ISL/DAM/DD/002. Which is correct? Please clarify. We believe that Scour pipe, environmental flow and raw water sharing one pipe is not suitable. We propose that the Scour pipe can be arranged separately, and please clear and define the design requirements of the scour pipe.	The diameter of the scour pipe 500mm. The three pipes namely scour, environmental or compensation flow and raw water are all separate pipes since they serve different purposes.

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65	VOLUME IV DRAWINGS, Dam drawings Cross section along the abutment. Drg NO.NWCPC/ISL/DAM/DD/001 Diversion culvert section and elevation. Drg NO.NWCPC/ISL/DAM/DD/027	The size of culvert pipe in drawing cross section along the abutment(NWCPC/ISL/DAM/DD/001）is 4m×5.6m. However, it is 4.5m × 4.5m in drawing NWCPC/ISL/DAM/DD/027. Please clarify.	As per the computation based on the diversion flood flow of 700m^3/sec, the base width of the diversion culvert is 4.0m while the height is 5.6m considering the curvature of radius 2.83m on top of the culvert. The correct dimensions of culvert are 4m×5.6m
66		Please provide the drawings of pipeline crossing river and road area.	To be provided

S/No.	REFERENCE	QUERRY	RESPONSE
68	VOLUME IV DRAWINGS ,Dam drwings Draw off works pipeline details, Drg NO.NWCPC/ISL/DAM/DD/002	Please confirm the tail water of the powerhouse flows into the river or to the water treatment plant.	The tail water flows to the riverbed and not to the water treatment plant
69	VOLUME IV DRAWINGS ,Dam drawings Isiolo Dam General Arrangement / Site Layout Plan, Drawing NO.NWCPC/ISL/DAM/LM/004 VOLUME IV DRAWINGS ,Water supply drawings, Dam, Hydropower & Water Treatment Plant Layout, Drg NO.NWCPC/ISL/DAM/LM/001	Dam project drawings and water supply project drawings are inconsistent .Please clarify it.	Layout provided