INVITATION FOR EXPRESSIONS OF INTEREST (EOI)
CONSTRUCTION OF 2 ×100 MW FLOATING SOLAR PHOTOVOLTAIC (PV) POWER PLANT IN THE WATER SURFACE OF SAMANALAWEWA RESERVOIR ON LEAST COST BASIS
REFERENCE NO. : TR/REP&PM/ICB/2023/008/C

No.	Sec	Chapter No	Clause No	Bid Specification	Bidders Query	CEB Reply
1					Transmission and Grid Interconnection 1. The existing 220 kV transmission Line route plan form polpitiya - Hambantota 2. CEB's identified preffered location to construct the Grid Sustation and connecting point to the existing 220 Kv transmission line 3. Single Line Diagrams of both substations (Polpitiya and Hambantota)	1. kmz file attached 2. Prospective project locations will be shown. 3. SLD is attached.
2					We need bellow informatoion for us to provide more informative technical and financial proposal: 1. Contour drawing or reservoir bathymetry report. 2. Boundary line when at minimum water level. 3. Bottom Condition or slope conditions 4. Design wind speed (m/s) (10 min or 3 second average) 5. Lowest Enviormental temperature 6. Highest Water Level HWL (m) 7. Lowest Water Level LWL (m) 8. Maximum Water Depth (m) 9. Maximum Wave height 10. Maximum current Velocity (m/s) 11. PH of water in the reservoir	1. Available contour drawing is attached . 6. 460 m 7. 424 m 8. 380 m For other queries: It is the responsibility of the project proponent
3					Are foreign entities allowed to bid independently for the tender	Yes. Conformiity with Sri Lankan law
4					Are there any stakeholders in the project (govt./PSUs/regulatory body/banks/etc.)	No
5					Is the project backed by International Financial institues (ADB/EIB/IFC etc.)	No
6					What is the eligibility reqd. for participating in this tender	This is an EOI only. Will declare eligibility in the RFP
7					Support from government in successful implementation of the projects	CEB will facilitate and support
8					Is there a commission to approve the L1 tariff post which the LOA will be awarded	Tarriff approval process will be mentioned in the RFP
9					What is Tender fees and Bank guarantees for this Project	No fees for EOI
10					Please provide RfS, draft PPA and PSA, if any	Will be provided at the RFP process
11					Technical specifications of the project	Will be provided at the RFP process
12					What is the technical and Financial eligibility for bid submission in the tender	Mentioned in the EOI
13					Please share draft Power Purchase Agreement, if any	Will be provided at the RFP process

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14					Please share the draft Implementation Agreement for project development and payment mechanisms	Will be provided at the RFP process
15					Is there any provision of Power Sale Agreement	No
16					What are the Payment security mechanism for bidders	Will be provided at the RFP process
17					What is receivables cycle/due date of monthly payments of generation to developers	Will be provided at the RFP process
18					What are the timelines for commissioning and extended COD	Will be provided at the RFP process
19					Is there any provision of sell power in open market/energy exchange	Not decided
20					What is the CUF/Energy guarantee required for the project	Guidelines will be provided at the RFP process
21					What are the grid downtimes and is RE power produced, with must run status	Guidelines will be provided at the RFP process
22					Is erection of TL of 220 kV and Pooling Substation, excluding RoW	Inlcuding ROW
23					We understand from the meeting that TL route of 8-10 km has Forest, Mahaweli and private village land. Request CEB to confirm the scope for approvals for Tower erection on forest and Mahaweli land and laising with owners of private land.	Obtaining ROW is a part of project proponent scope. However, CEB will be supporting and facilitating to get the approvals from the stakeholders
24					220 kV TL are to be evacuated at 220 kV Substation which will be T-junction for EHV lines. Please clarify, amongst the two L1 bidders for each 100 MW project, who will erect and construct the 220 kV pooling substation.	It shall be erected by the project proponent of the first 100MW
25					Request CEB to share land area map in 15 km radius of the Samanala reservoir	Project proponent's scope
26					Request CEB to provide the coordinates for development of 220 kV substation as per the information in the RfS	Prospective project locations will be shown. However, it is the responsibility of the project proponent
27					Kindly share or guide us for list of permits and approvals required for the project	Project proponent's scope
28					Will there be any reverse auction for the projects	Not decided
29					Where will land and space for assembly and integration of floaters be provided and warehousing the spares	Project proponent's scope
30					Can floating manufacturer set up assembly line dedicated to the project for the construction phase of the project, to optimize logistics and save delivery time	Project proponent's scope
31					can we use Indian grid code and standards for substation and EHV line erection	Technical Specifications for the Grid Substation and Transmission line will be shared with RFP. Mainly uses IEC and BS Codes
32					Does the Developer need to apply for connectivity at Hambantota and New Polpitiya substation, if yes, what is the process to secure the same.	Only the relay modification works as outlined bellow;

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33					What is the provision for forecasting and scheduling during the operation phase of the project and related penalties on deviation of the same	Guidelines will be provided at the RFP process
34					What is the guaranteed MDDL to maintained in the reservoir and how will the developer be compensated for MDDL breach, for any impact in the loss of generation	Will be considered at the RFP process
35					Is there any ceiling tariff envisaged by Ceylon Electricity Board	Not decided
36					Are there any incentivesfor development of the project, declared by government - VGF/tariff incentives	No
37					Is the substation augmentation in scope of one bidder, if yes, how are bids compared on basis of competition	Bids will be evaluated based on NPV of each project seperately
38					Is the PPA subject to extension post expiration of 20 Years	Yes
39					The floating solar power plant can be designed only with MDDL level to design the floating solar array in this location.Since it's a natural reservoir with heavy undulations in contour we can't consider complete drought condition for floating solar installation	Complete drawdown conditions to be considered as per the EOI
40					With the min. MDDL the location of floating IDT platforms - feasibility needs to be studied. If not possible to place in the floaters suitable land to be provided to place the Inverter stations.	Project proponent's scope
41					5x5 Bathymetric Survey for complete reservoir(Multi beam preferable)	Attached as annex I
42					MDDL Boundary with Water level variation (MWL,FRL,LWL)	Available bathymetric survey is given
43					Geo Technical report for underwater soil- Minimum 4 Boreholes per 10 MWp	Project proponent's scope
44					Side scan survey for the Underwater to understand underwater obstructions and topography.	Project proponent's scope
45					Wind speed and Wind rose details for last 10 Years.	Wind speed was not measured for last 10 years
46					Wave Analysis for complete reservoir	Project proponent's scope
47					Inflow and Outflow Water velocity analysis during the Monsoon season	Project proponent's scope
48					Submergence Map	Not available
49					Flood conditions if Any	Not available
50					Environmental Impact Assessment if Applicable	Project proponent's scope for Floating solar plant, grid substations and tranmission line
51					Wild Animals details (Crocodiles, Elephants etc) If any	To be assessed by Project proponent via an EIA
52					As per the EOI document - system modifications to be done at Hambantota and Polpitiya substations. Pl. elaborate on system modifications scope, make list of existing equipments, substation layout etc.	Will be provided at the RFP process

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53					8-10kM 220kV double circuit transmission line - ROW will be CEB scope	Project proponent's scope. CEB will facilitate the approval process
54					Water level variation doesn't seem stable due to the damage and seepage leakages from the dam, Hence recorded water level variations shall be shared.	Not clear
55					Underwater contour, bathymetry and soil test reports shall be shared, in case of unavailability these surveys are mandatory to access the water body and locate the appropriate water body.	Answered
56					Quality of water seems to be pure, yet being a natural reservoir, we may have to foresee for PH values in selection of raw materials for structural fixations.	Project proponent's scope
57					Recorded inflow from Walawe ganga river and discharge rate of Samanala Wewa reservoir during flood situations.	During high flood periodes all gates are opened to allow to release maximum discharge of 3600m3/s
58					Patchy islands, dead trees and boulders can be anticipated at some shallow depths.	Project proponent's scope
59					Access roads development is required, considering the width and existing landslides observed.	Project proponent's scope
60					Land required for storage and construction, considering area consumption volume of floating components.	Project proponent's scope
61					Fishing and effect over livelihood over construction of floating solar plant.	Project proponent's scope and to be addressed in EIA
62					Price Proposal: Kindly specify whether the project propnent could present the tariff in USD terms	Yes. You may present either with USD or LKR. The price proposals will be evaluated in RFP phase is based on least economic cost of NPV
63					Performance description clarification: In reference to the performance description mentioned in the invitation, we seek clarification on whether it pertains to experience in operating floating solar plants, solar plant investment experience, or if it includes qulifications related tothe finanical aspects of the project.	You may present the proposal including but not limited to experience in operating floating solar plants, solar plant investment experience, qualifications related to the financial aspects of the project.
64					Does CEB expect system studies to be conducted by the investor. I fso, what are the studies	No requirement.
65					What are the expected curtailments during rainy season and dry sason	Will be detailed in the RFP

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66					Limitations on the area: Minimum distance to shore, maximum coverage, boat passage etc.	Barges and boat movmenta are regular from Kinchigune soil burrow area to Dam and Intake areas for investigations, sampling, data recording and wet blanketing processes. Hence, the reservior area from Kinchigue to Intake structure shall be kept free from any disturbances.
67					Will inverters & Transformers be placed shoreside, or should they be floating?	Banks are very steep in nature and you are not allowed to place these elements in banks
68					Would thre be any cutting of trees necessary for any matter like construction of lines	Yes