



NEPAL ELECTRICITY AUTHORITY
Transmission Directorate
Grid Development Department
New Modi Lekhnath 132kV Transmission Line Project

Kharipati
Kathmandu, Nepal
Phone : 977-1-6614606

Letter Ref. No. 074/75-48

Date: 3rd Oct, 2017

To,

All Prospective Bidders

Subject: Issuance of Clarification-III

Ref: Package ML2: Procurement of Plant Design, Supply and Installation of Laha Chowk 132 kV Substation, New Modi 132 kV Switching Station and 132 kV Line Bay expansion at Lekhnath Substation (IFB No: ML/SS/ /074/75- 1)

Dear Sirs/Madams,

In reference to the captioned Tender Published on 1 September, 2017, we are hereby attaching the clarification-III sought by the bidders pursuant to clause 7.1 of Volume-1 of the bidding Documents.

It is hereby requested you all to acknowledge the receipt of the same.

With regards


Roshan Agrawal
Project Manager

NEPAL ELECTRICITY AUTHORITY
Transmission Directorate
Grid Development Department
New Modi-Lekhnath 132 kV Transmission Line Project

IFB No. ML/SS/074/75-01 : Procurement of Plant Design, Supply and Installation of Laha Chowk 132 kV Substation, New Modi 132 kV Switching Station and 132 kV Line
Bay Expansion at Lekhnath Substation
Clarification III

S.No	Description/Clause of Reference for the required clarification	Bidder's Request	NEA Response
1	Volume III, Section 8 Particular Conditions –GC 14 Taxes and Duties; Cl. 2.4	2.4 Tax Deduction at Source (TDS): As per the law of Nepal the Employer will deduct TDS at the rate as applicable at the time of execution of the contract from each payment to the Contractor and deposit to the Revenue office. The Contractor shall be provided with all details in this regard promptly. The Contractor shall be responsible for obtaining tax clearance before issuance of Final Acceptance Certificate or before releasing the final 5% retention amount. All firms carrying out works in Nepal are required to be registered at Inland Revenue office. If registered in Nepal, TDS at the rate of 1.5% is applicable at present. The current WHT rate in Nepal is 1.5% for contractor. The supply activity for the contract will be carried out by our HO in India and the payment for the same will be directly received in India through LC with no role of Nepal branch. Thus as per India - Nepal Double Taxation Avoidance Agreement (DTAA) no WHT should be applicable on payments made for offshore supplies. Further if required we can incorporate this clause in agreement. Please confirm."	Will be as per the relevant Particular Condition clause of the bidding documents
2	Volume I, Section 2, C. Preparation of Bids, ITB 14.7	ITB 14.7 As per the LOC agreement, goods and services covered under the LOC and proposed to be financed under the LOC, shall be exempt from all kinds of taxes and duties of any nature whatsoever levied in Nepal including all corporate /personal/value added taxes, import/custom duties, special levies and social security contributions for temporary employees deputed by the Indian Contractor/supplier in relation to the execution of the Contract. Further, if any such duty is levied, it will be fully reimbursed by the employer. Since India and Nepal has an LOC agreement, therefore we will not be required to pay corporate taxes or any other taxes in Nepal. There will be no withholding taxes on the payments received from the client. Further, the LOC agreement will override the tax clause under Particular Conditions to contract. Please confirm.	TDS will be as per the relevant particular condition clause of the bidding documents
3	Volume I(B), Bid Price Schedule, B New Modi Switching Station, 1.7/1.7.2	Earthing of substation with conductors, electrode grounding materials and accessories to complete the specified scope of works. PI. Provide Switchyard area for the bays under presents scope and also provides Soil resistivity for earth mat estimation.	Refer Clarification I

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4	Layout Plan of New Modi Switching Station; DWG NO. 1	Pl confirm phase to Phase distance / bay width and also provide exact Layout Plan with defined area for the bays under present scope.	Refer Clarification I
5	Layout Plan of New Modi Switching Station; DWG NO. 1	Kindly provide the distance between Control Room Building to switchyard (bay under Present scope) to estimate cable length.	Refer Clarification I
6	Layout Plan of New Modi Switching Station; DWG NO. 1	Control Room Building : Pl. Provide Control Room Building architectural drawing.	Refer Clarification I
7	Volume I(B), Bid Price Schedule, B New Modi Switching Station; 1.1/1.1.1	11/0.4KV 200KVA LT transformer : We understand that only we have to apply 1 set of distribution transformer and 11KV supply & connectivity not in present scope of work. Pl. confirm.	Connectivity is also in the scope of work.
8	Layout Plan of New Modi Switching Station; DWG NO. 1	11/0.4KV 200KVA LT transformer: Pl. Provide Station Transformer location in Electrical Layout drawing to estimate cable length.	The complete design (unless specified otherwise in specification elsewhere) and detailed engineering shall be done by the Contractor based on conceptual tender drawings. For now consider as per BOQ.
9	Volume I(B), Bid Price Schedule, B New Modi Switching Station; 1.8/1.8.3	12 kV, 300 sq.mm single core XLPE Aluminium Power Cable including Straight Joints with Accessories complete for station transformer as specified. As per price schedule 150m 12 KV cable is required for 11/0.4KV station transformer but supply scope is not mentioned.—Pl. confirm	Cable size & type has been changed, Please refer Addendum-II. 12kV Cable supply is in the scope of work.
10	Volume I(B), Bid Price Schedule, B New Modi Switching Station; 1.8/1.8.4	11 kV HT cable termination alongwith accessories & jointing kit As per Price Schedule 1set 11/0.4KV LT transformer is there and according to that we need 3 nos. 11KV HT termination kit but same has been entioned as 8 nos. —Pl. check and confirm.	The quantities specified in the Schedules of Rates and Prices are only estimates. As soon as practicable, the Contractor have to complete all survey, design and investigation works and accordingly revise the quantities and the Schedules of rates and Prices based on the unit/lump sum prices quoted in the Schedules of rates and Prices to complete the Facilities in accordance with the Technical Specifications and submit for Employer's approval. The revised price adjustment due to variation of quantities shall be limited to $\pm 15\%$ of the initial contract amount for the total amount of the respective schedules.
11	Volume I(B), Bid Price Schedule, B New Modi Switching Station; 1.4.2	CTs are rated for 900A for line bay and BC bay both. Whereas the rating of bus bar is 2000A and so should be the rating of CTs for BC bay i.e 2000A	900A Current Transformer of 150% extended can be supplied for bus coupler (if applicable). OR can be revised as per requirement of Contractor's complete design and detail engineering.
12	Volume I(B), Bid Price Schedule-1; B-1.4.1 and Layout plan of New Modi Switching Station. DWG No. 1	The bus CVTs are not shown in present scope in layout provided whereas quantity in BPS justifies the bus CVTs in our scope. We are considering the quantity acc. To BPS.	The bus CVTs are in Contractor's scope
13	Layout Plan of New Modi Switching Station; DWG NO. 1	We envisage that the equipments in Future scope shown in layout are not in our scope except the bus bar extension and bus CVTs.	Confirmed
14	Volume-II, Chapter-1, Project Specific requirements; Cl 2.2-B-h	"LT switchgear (AC/DC DB) extension if necessary" in Chapter-1 Project Specific Requirements needs clarity as Modi Switching is a new SS. Whether extension implies the extension of AC/DC DB for future bays?	As it's a new Substation, so complete new LT switchgear (AC/DC Distribution Board) is in the scope of work for New Modi Switching Station. Hence no extension but new complete work.

S.No	Description/Clause of Reference for the required clarification	Bidder's Request	NEA Response
15	Volume-II, Chapter-I, Project Specific requirements; CI 2.1-B-iv	"Bus Interconnection of existing Modi power house Substation to the Modi Switching station making all necessary arrangement for connection". The bus interconnection is not envisaged in BPS. Do we have to consider this bus bar interconnection in our scope?	Bus Interconnection of existing Modi power house Substation to the Modi Switching station shall be connected through 132kV Modi Bay as shown in DWG NO. 1 and this has been consider in BPS as a 132kV bay.
16	Volume-II, Chapter-I, Project Specific requirements; CI 2.2-B-m	According to project Specific requirements, 132kV HV XLPE power cable (1200 sq. mm Cu) is considered for interconnection of existing Modi Power House to bus bar in present scope Modi Switching SS. But cable termination kits are not envisaged in BPS for this cable. Also according to layout, 132kV line is shown for same interconnection.	Please quote price as per BOQ. The 132kV Cable and termination kit has been considered at C-1.7.3 & C-1.7.4. At actual execution period the quantity can be revised as per requirement.
17	Volume-II, Chapter-I, Project Specific requirements; CI 2.2-B-n	11kV overhead HT line is considered from existing Modi power house to New Modi switching SS for station transformer supply according to Project Specific requirements. But according to BPS, both 12kv 300 sq. mm Al. single core power cable 150m long and 11kV line (ACSR Dog) 2 km long are assumed for this connection along with cable termination kits. We need to know where conductor will be used and where cable will be employed.	11kV Overhead HT line shall be considered upto new substation compound wall and inside the substation wall XLPE cable shall be considered. Please refer Addendum-II for revised size/type of Cable.
18	Volume-II Chapter-7, Instrument Transformer ; 1.2 Design Requirements	Value of capacitance for CVTs is not mentioned anywhere in Technical Specification. It just mentioned high capacitance should be used for CVT. Should it be 8800pf?	Will be finalized after the submission of complete design and detail engineering by the Contractor and approval by the employer
19	Volume I(B), Bid Price Schedule, B New Modi Switching Station; 1.9.6	For connection of Station transformer, we considered Fuse and LA only according to BPS.—Pl. Confirm.	Any material/works not specifically mentioned in the description in Schedules of rates and prices, as may be required shall be deemed to be included in the scope itself. Wherever the quantities of items/works are not indicated and quantified and given in lot, the bidder is required to estimate the quantity required for entire execution and completion of works and incorporate their price in respective Schedules of Rates and Prices.
20	Volume I(B), Bid Price Schedule, C. Line Bays at Lekhnath Substation; 1.3/1.3.1	Quantity of CVT is 2 No. It should be 6 No. for two line bays	All equipments/items and civil works for which bill of quantity has been indicated in Schedules of Rates and Prices, shall be payable on unit rate basis/quoted rate basis. During actual execution, any variation in such quantities shall be payable as per relevant clauses incorporated in Letter of award.
21	Volume I(B), Bid Price Schedule, C. Line Bays at Lekhnath Substation; 1.3/1.3.2	Quantity of CT is 2 No. It should be 6 No. for two line bays	
22	Volume I(B), Bid Price Schedule, C. Line Bays at Lekhnath Substation; 1.5/1.5.1	Quantity of CRP should be 2 sets instead of 2 number.	
23	Volume-II, Chapter-I, Project Specific requirements; CI 2.2-C(i)-h	LT switchgear (AC/DC Distribution boards) extension if necessary What's the scope of extension of LT Switchgear (AC/DC DB)? Do we have to provide new ACDB and DCDB? -- Please confirm	Consider Extension of LT Switchgear(AC/DC DB) from existing one.

S.No	Description/Clause of Reference for the required clarification	Bidder's Request	NEA Response
		As per Price Schedule there is no scope regarding ACDB /DCDB but same is reflecting in specification --Please confirm. Also Pl. confirm whether spare feeder is available for bays under present scope.	No spare feeder is available for 132kV bays
24	Volume I(B), Bid Price Schedule, C. Line Bays at Lekhnath Substation; 2.1.1a	RTU (including cable, connectors and other hardware and software required for data transmission and remote operation) as per existing system at Lekhnath substation. Pl. provide existing RTU make / model & architectural drawing and Bill of Material.	ABB make RTU and SIEMENS make OLTE8. Please refer Chapter 17.
25	General	Existing earthmat layout :Please provide the details of the existing earthmat layout specifying grid spacing as we presume that existing Earthmat shall be extended for the 132 KV bays under present scope.	Bidders are advised to visit the substation sites and acquaint themselves with the topography, infrastructure and also the design philosophy. Design of substation and its associated electrical & mechanical auxiliaries systems including cable trench layout, & earthmat layout and other relevant drawings & documents required for engineering of all facilities within the fencing to be provided under this contract, are covered under the scope of the Contractor.
26	General	Existing cable trench layout : Please provide existing cable trench layout and sections. Also confirm if sufficient space is available in existing trenches for present scope of work.	

