

Invitation for Bids

Tender Notice No.: 33-1/077/78

(First date of publication: 2077/12/26 (2021/04/08)

1. **Udayapur Cement Industries Ltd.** invites sealed bids from eligible Bidders for the **Spare Parts for PLC System Upgradation** at Plant site, Jaljale, Udayapur.
2. Eligible bidders may obtain further information and inspect the bidding documents at the head office of Udayapur Cement Industries Ltd., Jaljale Udayapur. Telephone No. 035-411012, Email: procurement@ucil.org.np
3. Bidding documents may be purchased from the above 13:00 PM on **2021/05/07 (2078/01/24)** office of Udayapur Cement Industries Ltd. by eligible bidders on the submission of a written application along with the Notarized copy of firm registration, VAT certificate and Tax clearance certificate of F/Y 2076/77 from Notary Public office and upon payment of a non-refundable fee of NRs. **3000.00** . Or, the bidder who wishes to bid through electronically or e-bidding shall visit the website <http://www.ucil.org.np> > eprocurement system and may download bidding document and submit them.
4. Three sets of sealed Bid documents (One original + Two copies) as per ITB 22.1 must be submitted to the office of Udayapur Cement Industries Ltd., Jaljale, Udayapur as below: on or before 14:00 PM on **2021/05/07 (2078/01/24)** Documents received after this deadline shall not be accepted.
5. Bids shall be opened in the presence of Bidders' representatives who choose to attend on 15:00 PM on **2021/05/07 (2078/01/24)** at the office of Udayapur Cement Industries Ltd., Jaljale, Udayapur. Bids must be valid for a period of 90 days counting from the day of bid opening and must be accompanied by bid security, amounting to a *minimum of 2.5% for Nepalese bidders and 5% for foreign bidders, of the quoted Bid amount (exclusive of VAT)* valid up to **120** days from the date of bid opening.
6. If bidder wishes to submit the Cash Security, the cash shall be deposited in Current Account No. of Sunrise Bank Ltd., Udayapur Branch, Jaljale, Udayapur: 0290096430701002 or in any convertible currency in the form of bank draft in favor of UCIL and submit the receipt of the deposited amount of cash along with the tender document.
7. If the last dates of purchase, submission and opening fall on UCIL holidays, then the next working day shall be considered as the last day without any change in time and place. In such a case, the bid validity and bid security validity shall be recognized with effect from the original bid submission deadline.
8. UCIL may add any additional information as required for providing information to the bidders. But this additional information should not be in contrary to other provisions of the bidding document.
9. Udayapur Cement Industries Ltd. reserves the right to accept or reject, wholly or partly any or all the bids without assigning reason, whatsoever.



1. Technical Specifications

The following technical specifications' compliance should be filled by the bidder for T. No. - 33 - 1/077/78 Spare Parts for PLC System Upgradation

A. Ucil Required Particular and Quantity

Item No.	Name of Goods or Related Services	Technical Description, Specifications, and Standards		The Bidder shall state as Fully compliant/Partially compliant/Non-compliant
		Specification	Requirements	
1.	2.	3.	4.	5.
1	High Speed Universal CPU (Modle : Q13UDVCPU)	Detail Specification as Below	2 (Two)Pcs	
2	Main Base Unit (Modle : Q38B)	Detail Specification as Below	2 (Two)Pcs	
3	Extension Base Unit (Modle : Q68B)	Detail Specification as Below	4 (Four) Pcs	
4	Power supply Module (Modle: Q61P)	Detail Specification as Below	5 (Five) Pcs	
5	DC Input Module (Modle : Qx41)	Detail Specification as Below	18 Eighteen) Pcs	
6	Transistor Out Put Module (Modle : QY41P)	Detail Specification as Below	6 (Six)Pcs	
7	Transistor Out Put Module (Modle : QY80)	Detail Specification as Below	5 (Five)Pcs	
8	Ethernet Interface Module (Modle : QJ71E71-100)	Detail Specification as Below	1 (One)Pc	
9	Extension Cable (Modle : QC05B)	(Modle : QC05B)	4 (Four)Pcs	
10	Connector/Thermal Block Converter Module (Modle : A6TBxY36)	(Modle : A6TBxY36)	24 (Twenty Four)Pcs	
11	Dedicated Cable Connector (Modle : AC10TB)	(Modle : AC10TB)	24 (Twenty Four) Pcs	
12	IQ Works License	IQ Works License	1 (One) User	

B. Detail Technical Specification as Below:

1. High Speed Universal CPU module

S.N.	Description	UCIL Requirement	Filled by Bidder	Remarks
1	Manufacturer	Mitsubishi or Equivalent		
2	Model Number	Q13UDVCPU or Equivalent		
3	Product/Component Type	CPU		
4	Power Supply	5V with Internal Card		
5	Number of IO Points	4096 points or Higher		
6	Processing Speed	3.9 ns or lower		
7	Program Memory Capacity	130k steps or higher		
8	Standard Storage Capacity	520 kB or Higher		
9	Communication	MELSOFT Connection, RS485, Ethernet TCP/IP or higher communication protocol		
10	Certification	UL, CE Certified		
11	Compatibility	The CPU can compatible for data		



		exchange with AnS – Series PLC.		
12	Technical Drawings/Catalogues/Dimensions	Required		

2. Main Base Unit

S.N.	Description	UCIL Requirement	Filled by Bidder	Remarks
1	Manufacturer	Mitsubishi or Equivalent		
2	Model Number	Q38B or Equivalent		
3	Product/Component Type	Base Unit for power supply, CPU and IO units.		
4	Number of Expansions Slot	8 Slots or Higher		
5	Number of IO Points	2048 points or Higher		
6	Redundant Power Supply	No		
7	Certification	UL, CE Certified		
8	Technical Drawings/Catalogues/Dimensions	Required		

3. Extension Base Unit

S.N.	Description	UCIL Requirement	Filled by Bidder	Remarks
1	Manufacturer	Mitsubishi or Equivalent		
2	Model Number	Q68B or Equivalent		
3	Product/Component Type	Expansion Base Unit for power supply, and IO units.		
4	Number of Expansions Slot	8 Slots or Higher		
5	Number of IO Points	2048 points or Higher		
6	Redundant Power Supply	No		
7	Certification	UL, CE Certified		
8	Technical Drawings/Catalogues/Dimensions	Required		

4. Power Supply Module

S.N.	Description	UCIL Requirement	Filled by Bidder	Remarks
1	Manufacturer	Mitsubishi or Equivalent		
2	Model Number	Q61P or Equivalent		
3	Product/Component Type	Power Supply Unit		
4	Input Voltage and Frequency	100-240VAC (-15% to 10 %), 50/60 Hz (+/- 5%)		
5	Allowable momentary power failure	< 20 ms		
6	Inrush Current	20A or lower for 8 ms		
7	Efficiency	70% or Higher		
8	Rated Output Voltage	5VDC, 24 VDC		
9	Rated Output Current	6 A		
10	Over Voltage and Overcurrent Protection	Required		
11	Certification	UL, CE Certified		



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12	Technical Drawings/Catalogues/Dimensions	Required		
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5. DC input Module

S.N.	Description	UCIL Requirement	Filled by Bidder	Remarks
1	Manufacturer	Mitsubishi or Equivalent		
2	Model Number	QX41 or Equivalent		
3	Product/Component Type	DC Input Module		
4	Rated Input Voltage	24 VDC (+20% / -15%)		
5	Rated Input Current	4 mA		
6	Number of Inputs	32 Points (Positive Common)		
7	Isolation Method	Photocoupler		
8	Input Impedance	5 k Ohm Aprox.		
9	Response Time	1ms/5ms/10ms/20ms/70ms/ or less		
10	Dielectric Withstand Voltage	560VAC for 3 cycles		
11	Certification	UL, CE Certified		
12	Technical Drawings/Catalogues/Dimensions	Required		

6. Transistor Output Module

S.N.	Description	UCIL Requirement	Filled by Bidder	Remarks
1	Manufacturer	Mitsubishi or Equivalent		
2	Model Number	QY41P or Equivalent		
3	Product/Component Type	DC Output Module		
4	Rated Load Voltage	12-24 VDC (+20% / -15%)		
5	Maximum Load Current	2A/Common		
6	Number of Outputs	32 Points (Sink Type)		
7	Isolation Method	Photocoupler		
8	Protection	IP2X or Equivalent		
9	Response Time	1ms or less		
10	Dielectric Withstand Voltage	560VAC for 3 cycles		
11	Certification	UL, CE Certified		
12	Technical Drawings/Catalogues/Dimensions	Required		

7. Transistor Output Module

S.N.	Description	UCIL Requirement	Filled by Bidder	Remarks
1	Manufacturer	Mitsubishi or Equivalent		
2	Model Number	QY80 or Equivalent		
3	Product/Component Type	DC Output Module		
4	Rated Load Voltage	12-24 VDC (+20% / -15%)		
5	Maximum Load Current	4A/Common		
6	Number of Outputs	16 Points (Source Type)		
7	Isolation Method	Photocoupler		
8	Protection	IP2X or Equivalent		
9	Response Time	1ms or less		



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10	Dielectric Withstand Voltage	560VAC for 3 cycles		
11	Certification	UL, CE Certified		
12	Technical Drawings/Catalogues/Dimensions	Required		

8. Ethernet Interface Module

S.N.	Description	UCIL Requirement	Filled by Bidder	Remarks
1	Manufacturer	Mitsubishi or Equivalent		
2	Model Number	QJ71E71-100 or Equivalent		
3	Product/Component Type	Network Module		
4	Communication Interface	TCP/IP Ethernet, Provide Communication with PLC and IOs		
5	Certification	UL, CE Certified		
6	Technical Drawings/Catalogues/Dimensions	Required		

9. Connector Terminal Block Converter Module, Dedicated Terminal Blocks and IQ Works.

The terminal blocks, connector converter terminal should provide the IO devices wiring to the devices. It should be UL/CE certified and can be extended to the panel box. The IQ works should provide the programming facility for the PLC module system and integration and conversion of AnS series PLC Program

LIST OF BANK ACCOUNTS

S. No.	Commercial Bank	Location	Current A/C No.
1.	Sunrise Bank Ltd, Udayapur Branch.	Jaljale, Udayapur	0290096430701002



PROCEDURE FOR E-BID SUBMISSION

1. Either Purchase the Bid document directly from UCIL office or may download the bid document from website and deposit the equivalent amount in the account of UCIL as specified in the notice.
2. Prepare the following documents in PDF format, scan and upload in the specified website.
 - i. Bid form
 - ii. Price Schedule.
 - iii. Firm registration, VAT/PAN, & Tax Clearance Certificate.
 - iv. Power of attorney.
 - v. Information sheet.
 - vi. Bid Bond Guarantee in Specified format.
 - vii. Cash Receipt or Bank voucher of bid document Purchase.
3. Bidder who have submitted their bids electronically should submit original bid documents within 7(Seven) days from the date of bid opening.

Section IX. Summary of Bidding Document

S. No.	Indicators	Compliance Status
1.	Specification	
2.	Date of Notice	
3.	Last date of Submission date.	
4.	Date of Re-Notice	
5.	Last date of Submission date.	
6.	Bid Opening date & time.	
7.	Bid Bond Value for Nepalese bidders	2.50%
8.	Bid Bond Amount	
9.	Bid Bond Validity date.	
10.	Bid Bond Validity from Bid Opening date.	
11.	Price Validity Period	
12.	Delivery Period	
13.	Proof (Cash Receipt) for Tender/Quotation document purchase	
14.	Submission of e-bidding original documents.	
15.	All document notarized	
16.	Firm Registration	
17.	VAT/PAN Certificate	
18.	Tax Clearance Certificate	
19.	Declaration of Eligibility Letter	
20.	Power of Attorney	
21.	Single or Joint Venture	
22.	Authorization Letter	
23.	Source of Supply	
24.	Drawing, Catalogue & Leaflets	
25.	ISO Certificate	
26.	All page should be signature	
27.	Bid firm should be complete	
28.	Estimate Cost	
29.	Total Price Excluding VAT	
30.	Email:	

