

Corrigendum No-XI dated 02/01/2025 in the Tender No: 01/RDSS (Billing)/2024-25 dated 28-08-2024 titled “Appointment of System Integrator (SI) for implementation of Utility Billing system in UPCL”

SN	Reference	Clarification
1	Important dates	<p>Date of submission: 14th January 2025 upto 17:00 Hrs.</p> <p>Date of technical opening: 15th January 2025 at 16:00 Hrs.</p>
2	General Clarification	<ul style="list-style-type: none"> • Upgradation of existing billing system is hereby removed from the scope of tender. The bidder is required to quote fresh billing system only. All the clauses /qualifications/terms mentioned in the RFP for upgradation of UPCL existing billing system stands DELETED. Bidders quoting upgradation of existing system shall be rejected summarily. • Bidder may propose new software for GIS or upgrade the existing GIS software. • UPCL will manually add the total amount of BoQ 1 to BoQ5. The total value of BoQ-6 shall be deducted from the sum of BoQ 1 to 5. The financial bid shall be evaluated on the basis of Net Project Cost [cost of (BoQ1 + BoQ2 + BoQ3+BoQ4+BoQ5) - cost of BoQ6]. • Total project cost=BoQ1+BoQ2+BoQ3+BoQ4+BoQ5. Sum of the total cost quoted against BoQ1, BoQ2 and BoQ3 should not exceed 61% of total quoted project cost. Cost quoted against BoQ4 should not exceed 15% of total quoted project cost. Failing this bid shall be rejected.
3	Modified / Additional Clauses	<ul style="list-style-type: none"> • Revised Section-2, Eligibility Criteria (Annexure-A1) • Revised Section-3, BDS Annexure-II (Annexure-A2) • Revised Section-6, Project Requirements- Payment Terms (Annexure-A3) • Revised Manpower Qualification in Section-6, Project Requirements - Minimum Resource requirement from SI (Annexure- A4) • Revised Un-priced BoQ (Annexure-A5) • Revised BoQ (for view only) (Annexure-A6) • Revised BoQ- <i>Uploaded on e-tendering website</i>

4	Modification in GIS related requirements in RFP in section-VI, Project requirements and Annexure VII- GIS software technical specification	Section /clause reference	Existing Clause	Modified Clause
		Annexure-VII, GIS based customer Indexing and asset mapping. Additional Requirements for GIS Software Pt-27 on Page No – 144	The bidder is required to provide softwares / licenses as per solution proposed in line with RFP requirement and the proposed GIS software should be core independent.	The bidder is required to provide softwares /licenses as per solution proposed in line with RFP requirement.

In case any of the above date, is a holiday, the due date shall be the next working day at the same time. Any amendment/ corrigendum in the future against the above-mentioned tender shall be uploaded at <https://uktenders.gov.in> and <https://www.upcl.org> only.

Superintending Engineer (R-APDRP Part-A)

“SAVE ELECTRICITY IN THE INTEREST OF THE NATION”

Revised Section-2, Eligibility and Qualification Requirements

2.1 The technical and financial requirements of qualification of the Bidder are as follows:

S. No.	Requirements	Supporting Documents
Technical Requirements		
1.	<p>Sole/ Lead Bidder should have successfully implemented Eligible Projects in any Indian/Global Utility (power/ water/ natural gas/ telecom/ banking/power distribution franchisee) during the last 10 (ten) financial years:</p> <p>(i) With an aggregate project value not less than Rs 100 Crores</p> <p>(ii) With project value of one such Eligible Project not less than Rs 60 Crores (OR) Two such Eligible Projects with each having a project value not less than Rs 40 Crores (OR) Three such eligible projects with each having a project value not less than Rs. 30 Crores</p> <p><i>Note: For calculation of project value of eligible projects, only project value of the portion of the project executed by the Sole/ Lead Bidder shall be considered.</i></p> <p><i>The bidder needs to provide the self-certificate for the project value of the portion each of the project executed.</i></p>	<p>a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date (as per the format prescribed in Form 13 given in Section 4);</p> <p><i>In case a Non-Disclosure agreement (NDA) is signed with the client, Bidder shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc.</i></p> <p>b) Documentary evidence of completion of the Project OR completion of Go-live status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client;</p> <p>c) Any other documentation for implementation performance/ operation</p>
2.	<p>Sole bidder/Any Consortium Member must have successfully implemented billing systems¹ in any Indian/ Global Utility (power/ water/ natural gas/ telecom/ power distribution franchisee) during the last 10 (ten) financial years for an aggregate consumer base of at least 15 Lakh consumers.</p> <p>Also, one of the projects out of the above, must be implemented in India and shall have a minimum consumer base of 06 Lakh consumers.</p> <p>Each of the projects shall be in operation for at least</p>	

¹In case the Bidder proposes a COTS based Billing system, only prior experience associated with implementation of any COTS based Billing solutions shall be considered for assessing the qualification requirements
Similarly, in case the Bidder proposes a Bespoke based Billing system, only prior experience associated with implementation of anyBespoke based Billing solutions shall be considered for assessing the qualification requirements

S. No.	Requirements	Supporting Documents
	<p>1(one) year as on date of bid submission OR Each of the projects should have completed at least 3 (three) years of operational period.</p> <p>The implementation should have covered at least 5 (five) modules (<i>Modules i to iii are mandatory</i>) out of the below mentioned list:</p> <ul style="list-style-type: none"> i. Metering, Billing & Collection (MBC) ii. Management Information System & Dashboarding iii. Customer Relationship Management (CRM) or Customer Care Centre (CC) (New connection, Grievance handling, Updation etc.) iv. Disconnection & Reconnection v. Energy Accounting & Audit vi. Web Portal and Mobile Applications vii. Workforce Management viii. Prepaid Module ix. Identity Access Management x. Document Management System xi. Accounting, Ledger, & Banking Reconciliation Statement (BRS) Process xii. Meter Data Management System (MDAS) 	
3.	<p>Sole Bidder / Any Consortium member should have experience of integrating a Billing system² with at least 3 (three) of the following applications in a single project, in any Indian/ Global Utility (power/ water/ natural gas/ telecom/ power distribution franchisee) in the last 10 (ten) financial years.</p> <p>Apart from this the integration experience with GIS (Geographical Information System) is mandatory.</p> <p>Each of the projects shall be in operation for at least 1(one) year as on date of bid submission(OR) Each of the projects should have completed at least 3 (three) years of operational period.</p> <ul style="list-style-type: none"> i. ERP ii. MDAS/ MDMS iii. Spot Billing iv. Consumer Portal/ App v. Workforce management 	

²In case the Bidder proposes a COTS based Billing system, only prior experience associated with integration of any COTS based Billing solutions shall be considered for assessing the qualification requirements
Similarly, in case the Bidder proposes a Bespoke based Billing system, only prior experience associated with integration of any Bespoke based Billing solutions shall be considered for assessing the qualification requirements

S. No.	Requirements	Supporting Documents
	<ul style="list-style-type: none"> vi. Outage management system vii. Energy Audit viii. Customer Care ix. Web Self-Service x. Asset Management xi. Maintenance Management 	
4.	<p>Sole Bidder / Any Consortium member should have experience of implementation of 1 number Enterprise level Data Center (On-Premise) along with 1 number of DR Center (On-Premise) in any Central or State Government/ Central or State Public Sector Undertaking/ Utility (Power/Water/Natural Gas/Telecom/Banking/ power distribution franchisee), in India / Global covering networking equipment's, application servers, database servers, storage system, firewall and backup system such as tape library etc. during the last 10(ten) financial years which have completed at least 1 (one) year of operational period. In case, bidder have implemented the DC and DR before 10 financial years and same bidder is presently managing its operations, the same shall also be considered.</p> <p>The Data Center and DR Center should have minimum 25 nos. physical server or server with minimum 50 physical CPU and 35 TB (raw) storage at each location.</p>	
5.	<p>Sole Bidder (or) Any Consortium member should have all the following certificates which should be valid as on the date of bid submission:</p> <ul style="list-style-type: none"> (a) ISO 9001:2015 (b) ISO/IEC 27001:2013/2017 or latest. (c) CMMi Level 5 	Copy of Valid Certificate attested by the authorized signatory
6.	<p>Sole/ Lead Bidder and the consortium member (if any) shall have positive net worth for each of the last three financial years. Net worth of the Bidder should be at least 20 Crore in any of the last 3 financial years.</p> <p>OR</p> <p>Bidder shall have a minimum ACI of 20 Crore at the close of the preceding financial year.</p> <p><i>[Net Worth means sum total of the paid up capital and free reserves (excluding reserves created out of</i></p>	<p>Audited Annual financial statements, Balance Sheet and P&L Account for the respective Financial Years as per the format prescribed in Form 12 given in Section 4.</p> <p>For verification of ACI, necessary certificate from the Financial Institutional/Bank is required to be submitted by the Bidder.</p>

S. No.	Requirements	Supporting Documents
	<p>revaluation) reduced by aggregate value of accumulated losses (including debit balance in profit and loss account for current year) and intangible assets]</p> <p>[ACI means minimum investible funds (i.e. immediately available funds for investment and callable capital) subject to the limits of investment in a single investee entity (in the relevant jurisdiction foreign investment fund, or the maximum permissible investment limit for an AIF)(as per the SEBI(AIF) Regulations, 2012 ,as may be amended from time to time), as applicable].</p>	
7.	Bidder shall have a Minimum Average Annual Turnover (MAAT) of Rs 140 Crores from IT/AMI/ Software business in India for the last 3 (three) audited financial years.	Copy of CA certificate clearly capturing the MAAT from IT /AMI / Software Business in India for the respective financial years

S. No.	Requirements	Supporting Documents
A. Billing System provider– Technical Requirements (Only applicable for COTS based solution)		
A1.	<p>Proposed Billing system(COTS) must have been implemented in any 3 (three) Indian/ Global Utility (power/ water/ natural gas/ telecom/ power distribution franchisee)during the last 10 (ten) financial years and should have handled an aggregate consumer base of at least 10 Lakhs</p> <p>Each of the projects shall be in operation for at least 1 (one) year as on date of bid submission (OR) Each of the projects should have completed at least 3 (three) years of operational period.</p> <p>Also, one of the projects must be implemented in India and shall have a minimum consumer base of 06 Lakhs</p> <p>The implementation should have covered at least 5 (five) modules (<i>Modules i to iv are mandatory</i>) out of the below mentioned list:</p> <ol style="list-style-type: none"> i. Metering, Billing & Collection (MBC) ii. Disconnection & Reconnection iii. Management Information System & Dashboard iv. Customer Relationship Management (CRM) or Customer Care Centre (CC) (New connection, Grievance handling, Updation 	<p>a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date (as per the format prescribed in 13 given in Section 4); <i>In case a Non-Disclosure agreement (NDA) is signed with the client, Bidder shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc.</i></p> <p>b) Documentary evidence of completion of the Project or completion of Go-live status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client;</p>

S. No.	Requirements	Supporting Documents
	<p>etc.)</p> <p>v. Energy Accounting & Audit</p> <p>vi. Web Portal and Mobile Applications</p> <p>vii. Workforce Management</p> <p>viii. Prepaid Module</p> <p>ix. Document Management System</p> <p>x. Accounting, Ledger, & Banking Reconciliation Statement (BRS) Process</p> <p><i>*Note: Commercial Off-the-Shelf (COTS) product is a packaged, ready-made software solution, available for sale, lease or licensing to companies, by the OEM directly or through authorized implementation partners, which can be implemented by making certain customizations for meeting needs of the purchasing organization.</i></p>	<p>c) Any other documentation for implementation performance/operation</p>
A2.	<p>If COTS based Billingsolution is proposed by the bidder, it should have been successfully implemented by at least 2 (two) authorized implementation partners, excluding the OEM in any Indian/ Global Utilities (power/ water/ natural gas/ telecom/ power distribution franchisee) during the last 10 (ten) financial years and must be in operation for at least 1 year as on date of bid submission.</p>	<p>a) OEM shall provide the relevant supporting document mentioning details of authorized implementation partner and the implementation experience, as applicable, on its letter head duly signed and stamp by authorized signatory of OEM</p>
B. Geographical Information System Technical Requirement		
B1.	<p>The Lead bidder or the GIS Partner must be established, reliable and reputed organization in the field of DGPS / GPS / Drone Survey and GIS Mapping & Indexing including GIS software development and customization in Central or State Government/ Central or State Public Sector Undertaking/Indian Utility services like Power/Gas/Telecom/Water/ power distribution franchisee in last ten(10) financial years.</p>	<p>a) Certificate of Incorporation, Memorandum and Articles of Association OR</p> <p>b) Relevant legal documentation confirming the acquisition/merger OR</p> <p>c) Any other relevant documents certifying that the firm has worked in the field of DGPS Survey and GIS Mapping & Indexing including GIS software development and customization</p>
B2	<p>The Lead bidder or the GIS Partner should have executed atleast one GIS projects (software development & customization & mapping and digitization of assets and consumers for an aggregate consumer base for atleast 5 Lakhs Consumers) in Central or State Government/ Central or State Public Sector Undertaking/Indian Utility services like Power/Gas/Telecom/Water/ power distribution franchisee in last ten (10) financial years.</p> <p>The Lead bidder or the GIS Partner have worked with atleast one Utility Power/Gas/Telecom/Water sector /municipal corporations/smart city/ city development authorities/ power distribution franchisee)) in</p>	<p>a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date (as per the format prescribed in Form 13 given in Section 4); In case a Non-Disclosure agreement (NDA) is signed with the client, Bidder shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc.</p> <p>b) Documentary evidence of completion of the Project or completion of Go-live</p>

S. No.	Requirements	Supporting Documents
	<p>implementing DGPS / GPS /Drone Field Survey, digitization and mapping of asset network , consumers including GIS software development / customisation using any licensed enterprise GIS Platform. The total aggregate worth of the GIS work in the projects must be at least INR 10 Crores.</p> <p><i>The bidder needs to provide the document certifying the GIS consumer base and worth of GIS work of the project executed.</i></p>	<p>status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client;</p> <p>c) Any other documentation for implementation performance/ operation</p>

2.3 For the purposes of satisfaction of Technical Requirement, the following shall apply:

- a) Eligible Projects, as referred in Technical Requirement, shall mean any Turnkey IT System Integration (TSI) project including supply of Hardware, Software/ licenses/cloud services / **AMI** along with installation, configuration, customization, implementation/ Go-Live along with providing FMS / AMC services / System Operation services.
- b) For the purpose of clause 2.1(1) above, the Eligible Project(s) in the:
 - i. Power sector shall mean projects relating to generation or transmission or distribution of electricity **or distribution franchisee;**
 - ii. Water sector shall mean projects relating to water treatment including desalination or water supply (rural or urban) or wastewater / sewerage or drainage or water pipelines;
 - iii. Natural gas sector shall mean projects relating to natural gas transmission or distribution; and
 - iv. Telecom sector shall mean projects relating to infrastructure cabling or communication systems for setting up Wide Area Network (WAN) or Local Area Network (LAN) or Internet Services or VOIP solutions, or DTH Services etc.
 - v. Banking sector shall mean projects relating to financial services in licensed commercial and non-commercial banks
- c) **The eligible projects shall be Go-live within last 10 financial years i.e. Go-live date not earlier than FY 2014-15**

1.11. The Bid can be submitted by Sole Bidder as an individual entity or a Consortium of firms/ companies limited to maximum of two (2) entities, including the Lead bidder.

Financial Requirements

[2.4] For the purposes of satisfaction of Financial Requirement, the following shall apply:

- a) In the event the Bidder is a Consortium:
 - i. The financial requirement as given at Clause 2.1 (6) & 2.1 (7) shall be met cumulatively by the members of the Bidding Consortium
 - ii. The Lead Consortium Member shall not meet less than 51% of the minimum financial requirement criteria as given at Clause 2.1 (6) & 2.1 (7) above.
 - iii. Any consortium member individually shall meet not less than 20 Crore of the minimum financial requirement criteria given at Clause 2.1 (6) & 2.1 (7) above.

2.5 **The bidder shall provide OEM compliances on OEM letter head for all the quoted hardware and software products.**

2. Revised Section-3 Annexure-II (BDS) :

Annexure-II

Technical Evaluation Criteria:

The Bidder shall have to enclose all documentary evidence in support of technical evaluation criteria:

S. No.	Requirements	Max. Marks	Supporting Documents
1.	<p>Sole/ Lead Bidder should have successfully implemented Eligible Projects in any Indian/Global Utility (power/ water/ natural gas/ telecom/ banking) during the last 10 (ten) financial years:</p> <ul style="list-style-type: none"> • Any Eligible project with project value not less than Rs 60 CRORES <ul style="list-style-type: none"> ○ 1 project – 6 marks ○ 2 projects – 10 marks (or) • Any Eligible Project with project value not less than Rs 40 CRORES <ul style="list-style-type: none"> ○ 2 projects – 6 marks ○ 3 projects – 10 marks (or) • Any eligible project with project value not less than Rs 30 CRORES <ul style="list-style-type: none"> ○ 3 projects – 6 marks ○ 4 projects – 10 marks <p><i>Note: For calculation of project value of eligible projects, only project value of the portion of the project executed by the Sole/ Lead Bidder shall be considered.</i></p> <p><i>The bidder needs to provide the document certifying the project value of the portion of the project executed.</i></p>	10	<p>a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date (as per the format prescribed in Form 3 given in Section 4);</p> <p><i>In case a Non-Disclosure agreement (NDA) is signed with the client, Bidder shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc.</i></p> <p>b) Documentary evidence of completion of the Project or completion of Go-live status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books</p>
2.	<p>Sole bidder/Any Consortium Member must have successfully implemented billing systems³ in any Indian/ Global Utility (power/ water/ natural gas/ telecom) during the last 10 (ten) financial years.</p> <p>Each of the projects shall be in operation for at least 1 (one) year as on date of bid submission OR Each of the projects should have completed at least 3 (three) years of operational period.</p> <p>The implementation should have covered at least 5 (five) modules (<i>Modules i to iii are mandatory</i>) out of the below mentioned list:</p> <ol style="list-style-type: none"> i. Metering, Billing & Collection (MBC) 	20	

³In case the Bidder proposes a COTS based Billing system, only prior experience associated with implementation of any COTS based Billing solutions shall be considered for assessing the qualification requirements

Similarly, in case the Bidder proposes a Bespoke based Billing system, only prior experience associated with implementation of any Bespoke based Billing solutions shall be considered for assessing the qualification requirements

S. No.	Requirements	Max. Marks	Supporting Documents
	<ul style="list-style-type: none"> ii. Management Information System & Dashboarding iii. Customer Relationship Management (CRM) or Customer Care Centre (CC) (New connection, Grievance handling, Updation etc.) iv. Disconnection & Reconnection v. Energy Accounting & Audit vi. Web Portal and Mobile Applications vii. Workforce Management viii. Prepaid Module ix. Identity Access Management x. Document Management System xi. Accounting, Ledger, & Banking Reconciliation Statement (BRS) Process xii. Meter Data Management System (MDAS) <p><i>Marks to be allotted for the above projects shall be as below:</i></p> <p>2a) Aggregate consumer base for which the billing systems were implemented: (10 Marks)</p> <ul style="list-style-type: none"> • For an aggregate consumer base of 15 Lakh and above– 4 marks • For every additional 3 Lakh consumer base– 2 marks subject to a maximum of 6 marks <p>2b) Number of projects with Indian/ Global utility: (8 Marks)</p> <ul style="list-style-type: none"> • 2 marks for each project subject to a maximum of 8 marks <p>2c) Experience with Indian Power utility: (2 Marks)</p> <ul style="list-style-type: none"> • For any 1 Project: 2 marks 		<p>of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client;</p> <p>c) Any other documentation for implementation performance/ operation</p>
3.	<p>Sole bidder/Any Consortium Member should have experience of integrating a Billing system⁴ with at least 3 (three) of the following applications in a single project, in any Indian/ Global Utility (power/ water/ natural gas/ telecom) in the last 10 (ten) financial years</p> <p>Apart from this the integration experience with GIS (Geographical Information System) is mandatory.</p> <p>Each of the projects shall be in operation for at least 1(one) year as on date of bid submission(OR) Each of the projects should have completed at least 3 (three) years of operational period.</p>	20	

⁴In case the Bidder proposes a COTS based Billing system, only prior experience associated with implementation of any COTS based Billing solutions shall be considered for assessing the qualification requirements
Similarly, in case the Bidder proposes a Bespoke based Billing system, only prior experience associated with implementation of anyBespoke based Billing solutions shall be considered for assessing the qualification requirements

S. No.	Requirements	Max. Marks	Supporting Documents
	<p>i. ERP ii. MDAS/ MDMS iii. Spot Billing iv. Consumer Portal/ App v. Workforce management vi. Outage management system vii. Energy Audit viii. Customer Care ix. Web Self-Service x. Asset Management xi. Maintenance Management</p> <p><i>Marks to be allotted for the above projects shall be as below:</i></p> <p>3a) No. of projects with Indian/ Global Utility (16 marks)</p> <ul style="list-style-type: none"> • 4 marks for each project subject to a maximum of 16 marks <p>3b) Experience with Indian Power Utility (4 marks)</p> <ul style="list-style-type: none"> • For any 1 project – 4 marks 		
4.	<p>Sole bidder/Any Consortium Member should have experience of implementation of 1 number Enterprise level Data Center (On-Premise) along with 1 number of DR Center (On-premise) in any Central or State Government/ Central or State Public Sector Undertaking/ Utility (Power/Water/Natural Gas/Telecom/Banking), in India / Global covering networking equipment's, application servers, database servers, storage system, firewall and backup system such as tape library etc. during the last 10(ten) financial years which have completed at least 1 (one) year of operational period. In case, bidder have implemented the DC and DR before 10 financial years and same bidder is presently managing its operations , the same shall also be considered.</p> <p>The Data Center and DR Center should have minimum 25 nos. physical server or server with minimum 50 physical CPU and 35 TB (raw) storage at each location.</p> <p><i>Marks to be allotted for the above projects shall be as below:</i></p> <p>DC&DR (On-premise) Implementation (10 Marks)</p> <ul style="list-style-type: none"> • For Implementation of 1 No DC & DR (On-premise) – 6 • For every additional DC / DR (On-premise) Implementation – 2 mark each subject to a maximum of 4 marks 	10	
5.	<p>Sole bidder/Any Consortium Member should have professionals on regular payroll of the company in IT/ Software business as on last date of bid submission</p>	10	<p>Documents declaring manpower details to be submitted as proof. (Self-Certificate by HR head/</p>

S. No.	Requirements	Max. Marks	Supporting Documents
	<ul style="list-style-type: none"> • 250 full-time resources – 5 marks • For every additional 50 full-time resources – 2.5 mark each subject to a maximum of 5 marks 		authorized signatory of Bidder)
6.	<p>Proposed Billing Solution Demonstration (25 Marks):</p> <ul style="list-style-type: none"> • Understanding of the scope of work and Utility's requirements – 3 Marks • Approach & Methodology – 4 Marks • Work Plan – 3 Marks • Solution / Concept demonstration as per utility requirement through a POC using dummy data – 15 Marks <p>The Bidder has to score minimum 13 marks in this criterion. In case the Bidder is scoring less than 13 marks, the Bidder is liable for rejection and may be considered technically disqualified.</p>	25	Presentation and Billing Solution demonstration by Bidders (Approx. Time – 60 mins)
7.	<p>Prior experience in working in a project in State/Central Government Organization / PSUs in Utility Domain in India which shall include Enterprise GIS software development & customization, consumer indexing, asset mapping, single line diagram of network, digitized network diagram etc. and successfully integrated with the Revenue Management / billing System of Utility.</p> <p>Aggregate consumer base for which the GIS systems were implemented (Total Marks 5)</p> <p>i. For an aggregate consumer base of [Less than 10 Lakh and more than 5 Lakhs] – 3 marks</p> <p>ii. For an aggregate consumer base of [10 Lakh or more] – 5 marks</p>	5	
Maximum Marks		100	

- a) Maximum 100 marks shall be awarded under Technical Evaluation and marking for the same is defined in the Technical Evaluation Criteria above.
- b) Those Bids which obtain:
 - a. minimum seventy (70) marks out of 100 in Technical Evaluation and
 - b. minimum of thirteen(13) marks in clause (6) in the table above
will be considered further for financial evaluation process.
- c) The bidder is supposed to give a Technical Presentation and demonstration after the opening of the Technical Proposal of their bid, which shall be carried out only for the bidders who fulfil the Eligibility Criteria.

The marks scored by the bidder in the presentation/ demonstration shall become a part of the technical evaluation criteria of total 100 marks

Revised Section-6, Project Requirements- Payment Terms:

15 Payment Terms

The payments shall be strictly made based on acceptance and quality of deliverables, performance and timelines of services delivered by the System Integrator.

The System Integrator (SI) should produce a completion/ installation certificate indicating “Ready-for-use” status (i.e., delivery, installation, commissioning, and successful operation of system) for respective deliverable/services for Billing system, duly signed as accepted by the UPCL.

Payment Schedule

A. Supply of Hardware/Equipment including virtualization , backup, NMS, helpdesk and operating system in DC , DR including DC-DR Drill, additional security components (BoQ 1 , BoQ2 & BoQ4)			
Phase	Activity	Payment Schedule	Milestones
Advance Payment		10% of Project Cost of DC (excluding FMS) including virtualization, additional security components and Operating system.	On Issuance of Letter of Award by Utility & team mobilization by Vendor, Submission of Advance Bank Guarantee and other conditions as defined in RFP
Data Center(DC)	Data Center Design	10% of Cost quoted For Data Center hardware including virtualization, additional security components and operating system	On Submission & approval of High Level Design, Low Level Design (Initial Version) and Approval of BOQ and delivery of material as per UPCL requirement.
	Supply, Installation & initial Configuration of Hardware, Networks & Operating system	30% of cost quoted for Data Center hardware including virtualization , additional security components, backup, NMS, helpdesk and operating system Initial mobilization advance payment shall be adjusted with this milestone.	On System testing by Vendor & management confirmation that material is received, installed in DC and power on with operating software and submission of warranty documents from the respective OEMs.
	Installation, Commissioning & initial Configuration of Hardware, Networks & Operating system	20% of cost quoted for Data Center hardware including virtualization , additional security components, backup, NMS, helpdesk and operating system	On System testing by Vendor & UPCL confirmation that the required system and application software are installed and configured as per requirement.
	Installing, Configuration & Customization of Application Software	20% of cost quoted for Data Center hardware including virtualization, additional security components and Operating system.	On System testing by Vendor & management confirmation that software is installed in DC & commissioned as per work order after User Acceptance Test.
	Go-live and stabilization	20% of cost quoted for Data Center Hardware	On Management approval that project is Go-Live and stabilization phase is

		including virtualization, additional security components and Operating system.	completed.
Disaster Recovery center (DRC)	Disaster Recovery center Design	10% of cost quoted for Disaster Recovery center hardware including virtualization and Operating system.	On Submission & approval of High Level Design, Low Level Design(Initial Version) and Approval of BOQ and delivery of material as per UPCL requirement.
	Supply, Commissioning & initial Configuration of Hardware, Networks & Operating system	30% of cost quoted for Disaster Recovery center hardware including virtualization and Operating system.	On System testing by Vendor & management confirmation that material is received, installed in DRC and power on with operating software and submission of warranty documents from the respective OEMs.
	Installation, Commissioning & initial Configuration of Hardware, Networks & Operating system	20% of cost quoted for Disaster Recovery center hardware including virtualization and Operating system.	On System testing by Vendor & UPCL confirmation that the required system and application software are installed and configured as per requirement.
	Installation, Commissioning & Configuration of Application Software	20% of cost quoted for Disaster Recovery center hardware including virtualization and Operating system. 80% of cost quoted for DC-DR Drill and implementation cost of DR.	On System testing by Vendor & UPCL confirmation that DC-DR drill is done successfully as per requirement.
	Go-live and stabilization	20% of cost quoted for Disaster Recovery center hardware including virtualization and Operating system. 20% of DC-DR Drill and implementation cost of DR.	On Management approval that project is Go-Live and stabilization phase is completed.

B. UPCL Billing Software including billing software licenses , development of all application modules, call center application, data migration , Identity & access management software cost and implementation cost of DC referred as “ Billing System Cost”

Phase	Activity	Payment Schedule	Milestones
Advance Payment		10% of cost quoted for Billing System Cost	On Issuance of Letter of Award by UPCL, team mobilization by Vendor, Submission of Advance Bank Guarantee and other conditions as defined in RFP
Billing software Licenses Implementation, data migration and commissioning Cost	Finalization of AS-IS Study and To-Be process mapping along with Gap Analysis (Business Blue print phase) & provisioning of testing & development environment	20% of cost quoted for Billing System Cost	On management Confirmation that all the deliverables up to and including Gap Analysis Report is completed and acceptance as per the work order and agreed & finalized project plan. The testing and development environment is provisioned. After submission of Software Licenses / Subscription for Metering, Billing,

			Collection, New Connection, Disconnection, Customer information system, web services, middleware, integration software, databases and related softwares etc. to run complete billing system with software support from OEM till GO-LIVE of system.
	Configuration and Testing of the UPCL Billing System software along with data migration	30% of Cost quoted for Billing System Cost Initial mobilization advance payment shall be adjusted with this milestone.	On management confirmation that the billing software license has been installed and all the Billing data has been migrated into new UPCL's Billing system under testing.
	Configuration and Testing of the UPCL Billing System software along with data migration and Integration with legacy applications and Online payment services etc.	20% of Cost quoted for Billing System Cost	On UPCL confirmation that the Billing system has been successfully developed, tested and integrated with other system as per scope of work.
	User Training & completion of security audit	10% of Cost quoted for Billing System Cost	Upon Completion of all End User & Technical training and on supply of manuals and on completion of security audit by Cert-In empaneled agency.
	Go-live and stabilization	20% of Cost quoted for Billing System Cost.	On Management approval that project is Go-Live and stabilization phase is completed.

A. Website, Consumer web portal, whatsapp, chatbot and Mobile Application Development (Internet based applications)

Development of Internet based application including third party integrations		40% of cost quoted for respective Internet based application	On UPCL confirmation that respective Internet based application has been tested.
	Development of Internet based application including third party integrations	40% of cost quoted for respective Internet based application	On receipt of security certificate from Cert-in empaneled auditor for the respective Internet based application.
	Go-live and stabilization	20% of Cost quoted for Internet based application	On Management approval that project is Go-Live and stabilization phase is completed.

C. UPCL GIS Software works (BoQ4)

Phase	Activity	Payment Schedule	Milestones
Implementation and Installation Cost	Finalization of AS-IS Study and To-Be process mapping along with Gap Analysis (Business Blue print phase)	20% of cost quoted for GIS Software and Implementation cost.	On management Confirmation that all the deliverables up to and including Gap Analysis Report is completed and acceptance as per the work order and agreed & finalized project plan.

	Supply & Installation of software	50% of Cost quoted for GIS Software and Implementation cost.	On management confirmation that all the Billing data & consumer and asset indexing data has been migrated into GIS system. GIS system successfully tested and integrated with other system as per scope of work.
	User Training	10% of Cost quoted for GIS Software and Implementation cost.	Upon Completion of all End User & Technical training and on supply of manuals
	Go-live and stabilization	20% of Cost quoted for GIS Software and Implementation cost.	On Management approval that project is Go-Live and stabilization phase is completed.

D. UPCL GIS Survey work (BoQ3)

Phase	Activity	Payment Schedule	Milestones
GIS Survey	Survey work	40% of Cost of survey work for a circle	On completion of 50% survey work (Estimated in each Circle) in a Circle after confirmation from the UPCL
	Survey work	40% of Cost of survey work for a circle	On completion of 100 % survey work (Estimated in each Circle) to the satisfaction of UPCL in a Circle after confirmation from the UPCL
	Go-live and stabilization	20% of cost quoted for GIS Survey work	On Management approval that project is Go-Live and stabilization phase is completed.

F. ATS Post Implementation Phase (BoQ5)

Phase	Activity	Payment Schedule	Milestones
ATS Cost of Post implementation phase for 3 years		Average ATS cost of 3 years shall be paid on 1st month of every year during FMS period.	On Submission of invoice by SI along with necessary documentary evidence from OEM/service provider

G. FMS Post- Implementation Phase (BoQ5)

Phase	Activity	Payment Schedule	Milestones
Operation & Maintenance Phase		Quarterly deferred FMS charges shall be paid i.e. (Yearly FMS cost/4). depending upon the quarterly performance level assessed on the basis of SLAs defined in this RFP	On submission of quarterly performance/SLA report

H. Security Compliances (BoQ5)

Phase	Activity	Payment Schedule	Milestones
	After completion of the activity as indicated in Schedule of rates	80% cost quoted for respective item	On management confirmation that said activity has been completed as per scope of work and respective documents have been handed over to UPCL.
	Go-live and stabilization	20% cost quoted for line item	On Management approval that project is Go-Live and stabilization phase is completed.

H. Workstation PC and Large Display Screen

Supply of material		50% of Cost quoted for workstation PC and large display screen	On UPCL confirmation that the material is supplied as per RFP and warranty details are submitted from OEM.
Installation and commissioning		30% of Cost quoted for workstation PC and large display screen	On UPCL confirmation that the material has been installed at respective locations and submission of installation and delivery report.
	Go-live and stabilization	20% of Cost quoted for workstation PC and large display screen	On Management approval that project is Go-Live and stabilization phase is completed.

100% payment shall be made after completion of the activities as indicated in Schedule of rates.

Note:

- UPCL will manually add the total amount of price schedule (BoQ 1 to BoQ5). The total value of BoQ-6 shall be deducted from the sum of BoQ 1 to 5. The financial bid shall be evaluated on the basis of Net Project Cost [cost of (BoQ1 + BoQ2 + BoQ3+BoQ4+BoQ5) - cost of BoQ6].
- Total project cost=BoQ1+BoQ2+BoQ3+BoQ4+BoQ5. Sum of the total cost quoted against BoQ1, BoQ2 and BoQ3 should not exceed 61% of total quoted project cost. Cost quoted against BoQ4 should not exceed 15% of total quoted project cost. Failing this bid shall be rejected.
- FMS cost of first year of FMS shall not be less than the 5% of the total cost of the project excluding FMS and ATS cost.
- Bidder shall take minimum 7% escalation in FMS cost on previous year FMS cost. In case bidder fails to do so, UPCL shall adjust this cost from the quoted project cost without changing total project cost.
- UPCL will estimate and decide quantity of survey work with successful bidder for each circle and successful bidder shall complete the work accordingly.

11.1 Minimum Resource Requirement from SI

- SI should ensure deployment of enough specialized and experienced manpower throughout the project to complete the successfully implementation & stabilization of the Billing System in time.
- At no stage, manpower (with requisite qualification and experience) shall be less than that committed in the bid. Such manpower shall be maintained from start of the project up to complete Go-Live stage and further during Facility Management Support phase.
- SI should ensure deployment of enough specialized and experienced manpower during FMS period in consultation with UPCL. UPCL may call the proposed resource for interaction and after the approval from UPCL only the deployment of the proposed resource will be confirmed.
- If the service of particular resource/man power is not found satisfactory, UPCL may ask for the suitable replacement and the bidder shall be required to provide the replacement of the resources.
- SI must propose a team consisting of experienced and skilled professionals with relevant experience in the proposed areas. The minimum desired qualification for the key personnel has been indicated below:

S.No.	Position	Desired Qualification
1.	Team Leader/ Project Management Expert	Shall possess B. Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification or MBA or its equivalent with at least 15 years of relevant experience in implementation of least 1 end-to-end UBS projects Shall have minimum experience as project manager of 10 years
2.	Functional Domain Expert	Shall possess B.Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification or its equivalent with at least 10 years of experience. Shall have relevant experience of 7 years in functional domain (New connection, Disconnection, Reconnection and Dismantling; MBC; Web portal and Mobile Application; Management information system; Document Management System; Customer Relationship Management; Energy audit; GIS, Data lake & Analytics etc;
3.	Integration Expert	Shall possess B.Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification or its equivalent with at least 10 years of experience. Shall have relevant experience of 7 years in functional domain (New connection, Disconnection, Reconnection and Dismantling; MBC; Web portal and Mobile Application; Management information system; Document Management System; Customer Relationship Management; Energy audit; Data lake & Analytics etc;
4.	Application/Programmer Domain Expert of the Modules	Shall possess B.Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification or its equivalent with at least 5 years of experience. He/she shall have experience as a developer with expertise on utilities software solutions. (Quoted OEM Product) Certification on platform / language of quoted OEM product is preferable.
5.	System Administrator	Shall possess B.Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification or its equivalent with at least 10 years of experience. Shall have relevant experience of 7 years as system administrator Technical certifications on Microsoft / Unix / Other OS/ Products etc. shall be preferred

6.	Database Expert	Shall possess B.Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification or its equivalent with at least 10 years of experience. Shall have relevant experience of 7 years as database expert Database Administration Certification on provisioned Database Solution shall be preferred
7.	ICT infrastructure Expert	Shall possess B.Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification or its equivalent with at least 10 years of experience. Shall have relevant experience of 7 years on Android, IOS, and Windows application design, development, customization Relevant certification from recognized institution shall be preferred
8.	Cyber Security Expert	Shall possess B.Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification or its equivalent with at least 8 years of relevant experience. Shall have relevant experience of 5 years as information security expert. Industry standard and recognized certification like CISSP/CISA certified is preferable
9.	Change Management Expert	Shall possess B.Tech/B.E./MCA/MSc/BCA/BSc-IT or higher qualification, with at least 5 years of proven RMS experience in a similar role, is preferred
10.	Helpdesk Co-Ordinator	Shall have Bachelor's degree in Electrical/Electronics/IT/Computers or an MBA, 3+ year of RMS experience preferred.
11.	Helpdesk Staff	Bachelor's degree with basic computer skills and 3 years of relevant experience is preferred.
12.	Rollout and Handholding Support staff at sub-divisions	Bachelor's degree with basic computer skills and 3 years of relevant experience is preferred.
13.	Lead Programmer	Candidate should possess a B.Tech/B.E./MCA/M.Sc./BCA/B.Sc. in IT or a higher qualification, or an equivalent degree, with at least 7 years (preferably more) of professional experience in software development, including expertise in designing and implementing utilities software solutions. Strong leadership skills and prior experience in leading development teams are essential. Certification on the platform or programming language of the quoted OEM product is highly desirable.
14.	Backup & Storage Admin	Candidate should possess a Bachelor's or Master's degree in Computer Science or Information Technology (MCA/B.Tech/BCA/M.Sc.-IT/B.Sc.-IT) with a minimum of 5 years of experience in backup and storage administration. They should have hands-on experience managing backup solutions in AIX, Linux, and Windows environments, along with expertise in working with tape libraries. Knowledge of installing and configuring backup agents on servers, configuring automated tape libraries, sharing drives, and working with SAN clients is required.
15.	EMS/NMS ENGINEER	Candidate should have a Bachelor's or Master's degree in Computer Science or Information Technology (MCA/B.Tech/BCA/M.Sc.-IT/B.Sc.-IT) with at least 5 years of experience as an EMS/NMS Engineer. They must have practical

		experience in managing and maintaining enterprise monitoring and network management systems across AIX, Linux, and Windows environments. The role requires expertise in configuring monitoring tools, managing alerts, integrating systems, optimizing the performance of EMS/NMS platforms, and using ticketing tools for issue tracking and resolution. A strong understanding of SNMP, network protocols, performance tuning, and incident management is essential.
16.	SOLUTION TESTER	Candidates should have a Bachelor's or Master's degree in Computer Science or Information Technology (MCA/B.Tech/BCA/M.Sc.-IT/B.Sc.-IT), along with certifications such as ISTQB or expertise in tools like Selenium, JMeter, or LoadRunner. They should possess knowledge of IT systems, software development lifecycles, agile testing methodologies, and database management. Familiarity with tools like GIS and Meter Data Management is essential, along with the ability to support application-specific tasks, manage service desk operations, and ensure seamless integration with relevant modules.
17.	Network Expert	Candidates should have a Bachelor's or Master's degree in Computer Science or Information Technology (MCA/B.Tech/BCA/M.Sc.-IT/B.Sc.-IT) with a minimum of 7 years of experience in managing and configuring enterprise network systems. They must have expertise in designing, deploying, and troubleshooting LAN, WAN, and network security systems, along with in-depth knowledge of protocols such as TCP/IP, SNMP, BGP, and OSPF. Proficiency in configuring firewalls, routers, switches, and enterprise-grade wireless networks is essential. Additionally, Candidates should have skills in incident management, network optimization, and integrating network management systems across multi-vendor platforms. Certifications like CCNA, CCNP, or equivalent are highly desirable.
18.	Mobile Application Expert	Candidates should have a Bachelor's or Master's degree in Computer Science or Information Technology (MCA/B.Tech/BCA/M.Sc.-IT/B.Sc.-IT) with a minimum of 5 years of experience in mobile application development and management. They must have expertise in designing, developing, and deploying mobile applications for both Android and iOS platforms using frameworks such as Flutter, React Native, or native development environments. Proficiency in integrating APIs, implementing security protocols, and optimizing application performance is essential. Candidates should also have experience in managing app lifecycles, including deployment to app stores, updates, and bug fixes. Strong knowledge of mobile UI/UX design principles, database integration, and analytics tools is required. Certifications in mobile application development or related fields are highly desirable.

19.	Load Balancer and WAF admin	Candidates should have a Bachelor's or Master's degree in Computer Science or Information Technology (MCA/B.Tech/BCA/M.Sc.-IT/B.Sc.-IT) with a minimum of 5 years of experience in managing load balancers and web application firewalls (WAF). They must have expertise in deploying, configuring, and maintaining load balancing and WAF solutions, including traffic optimization, SSL offloading, content caching, and advanced routing policies. Proficiency in web security protocols, identifying and mitigating OWASP top 10 vulnerabilities, DDoS mitigation, and ensuring secure application delivery is essential. Candidates should also have experience with hybrid cloud integration, high-availability systems, and performance tuning. Certifications in network security or application delivery are highly desirable.
20.	IT Support Staff	Candidates should have a Bachelor's or Master's degree in Computer Science, Information Technology, or a related field (MCA/B.Tech/BCA/M.Sc.-IT/B.Sc.-IT) with a minimum of 3 years of experience in IT support roles. They must have hands-on expertise in troubleshooting hardware and software issues, managing user accounts, and providing support for desktops, laptops, printers, and network devices. Proficiency in operating systems such as Windows, Linux, and macOS, along with knowledge of basic networking concepts, is essential. Candidates should have experience in using ticketing systems, maintaining IT inventory, and providing end-user training. Strong communication skills, customer service orientation, and the ability to work under pressure are required.
21.	Application Support	Candidates should have a Bachelor's or Master's degree in Computer Science or Information Technology (MCA/B.Tech/BCA/M.Sc.-IT/B.Sc.-IT) with at least 3 years of experience in application support roles. They must have expertise in troubleshooting and resolving issues related to enterprise applications, ensuring smooth functionality, and managing user queries. Proficiency in diagnosing software problems, performing root cause analysis, and coordinating with development teams for issue resolution is essential. Candidates should have experience in application deployment, updates, and performance monitoring, along with a strong understanding of databases, SQL, and scripting for automation.
22.	Business Analyst	Candidate shall possess a B. Tech/B.E./MCA/MSc or higher qualification, or its equivalent, with at least 5 years of experience in business analysis. He/she shall have experience working as a Business Analyst, with expertise in analyzing business processes, gathering requirements, and providing solutions for business needs. Certification in business analysis (e.g., CBAP or CCBA) is preferable. Familiarity with Agile methodologies, business analysis tools like Excel, Power BI, and SQL, and experience in the software development lifecycle is desirable.

11.1.1 Initial Composition, Full Time Obligation; Continuity of Personnel

- a) The SI shall ensure that Key resources required for project execution and management devotes substantial working time to perform the services to which that person has been assigned.
- b) The SI shall not make any changes to the composition of the Key Resources or request any member of the Key Resource to cease or reduce his or her involvement in the provision of the Services during the Term (or agree to any request other than from Utility that would have the same effect):
 - unless that person resigns, is terminated for cause, dies, is long-term disabled, is on permitted mandatory leave under Applicable Law or retires; and
 - Without Utility prior written consent. The clauses of non-disclosure agreement shall always operate in any such case.
- c) The SI must provide the minimum number of resources at the locations as specified by the Utility. However, the number of resources and locations provided below are only indicative, the SI shall carry out an assessment and propose actual number of resources requirements with appropriate approval from Utility.
- d) SI will be responsible for deploying the manpower during the Project Implementation phase to meet the project timelines and during the Facility Management Service (FMS) phase to meet the SLA requirements. Therefore, for calculation of actual number of resources, the SI shall factor the project implementation timelines and SLA's requirements after Go-Live of Billing system at Utility.
- e) The Bidder needs to submit detailed CVs of each of the resource and Project Manager of the proposed project team. The Project team provided by the SI must be on their regular roll and SI shall certify the authenticity of their regular employment.
- f) The SI shall deploy the minimum number of resources for Facility Management Services and Help Desk support at the centralized help desk of Utility as per RFP and its Annexures.

11.1.2 Before Billing System Go-Live

SI shall deploy the Project Manager (Project In-charge) including Technical, Functional Experts and Other Support Staff at the identified project locations during the implementation and roll out of Billing System.

The Key project resources including Project Manager and Functional Expert shall be based at Utility headquarters. Also, the SI shall deploy/depute requisite no. of IT/Subject matter resources before and during Go-Live of sites for coordination and user handholding. This is an important ask as the end users may face many problems during Billing System Roll Out and Go-Live declaration of individual sites.

The resources required before Go-Live is mentioned **corrigendum-2 Annexure-A4**.

11.1.3 Post Billing System Go-Live

SI shall deploy the Project Manager (Project In-charge) including Technical, Functional Experts and Other Support Staff at the identified project locations during the post Go-live and Facility Management support Phase.

The Key project resources including Project Manager and Functional Expert shall be based at Utility headquarters. Also, the SI shall deploy adequate no. of IT/Subject matter resources for overall support post Go-Live and FMS phase of project which may be increase/decrease as per requirement. After Billing System Go-live, the SI should provide necessary resources and support staff for Utility.

The minimum resource requirement post Go-Live is mentioned in **corrigendum-2 Annexure-A4**.

Annexure-A5

Unpriced BoQ format

SN	Item Description	Qty	Unit	Make	Model
BOQ 1					
1	Part- 'A' Bill of Material for Data Center, Dehradun				
1.1	Metering, Billing Collection (MBC)/ Constomer Information System (CIS) Solution				
1.11	Software Licenses / Subscription for Metering, Billing, Collection, New Connection, Disconnection, Customer information system, web services, middleware, integation software, databases and related softwares etc. to run complete billing system with software support from OEM till GO-LIVE of system	1	Lot		
1.12	Website, consumer web portal including third party integration (payment gateways, SMS, Govt. portals etc.) and development cost	1	Lot		
1.13	Consumer mobile application for iOS and Android development cost	1	Lot		
1.14	Billing mobile Application development cost	1	Lot		
1.15	Field Activity Management Application for iOS and Android development cost	1	Lot		
1.16	Other mobile Applications development cost	1	Lot		
1.17	Call Centre Application (Dialer) with 70 nos. concurrent users with support from OEM till Go-Live period	70	No.		
1.18	Development of Chat Bot and Whatsapp services for UPCL and its integration with Billing and other applications	1	Lot		
1.2	Complete Billing Data Migration				
1.21	Complete existing Billing Data Migration including testing and validation work into new application software for Billing.	1	Lot		
1.3	Compute				
1.31	Compute	21	No.		
1.4	Network and Security Devices				
1.401	Firewall External with anti APT device	2	No.		
1.402	Firewall Internal	2	No.		
1.403	Spine Switch	2	No.		
1.404	Leaf Switch	2	No.		
1.405	Load Balancer	2	No.		
1.406	Web Application Firewall (WAF)	2	No.		
1.407	SDWAN device for DC with management dashboard	2	No.		
1.408	Supply and installation of SDWAN for Field Devices in UPCL offices spread across Uttarakhand.	170	No.		
1.409	SSL VPN Zero Trust Network Access (ZTNA)	1	No.		
1.410	SIEM	1	Lot		
1.418	L3 Switch	6	No.		

SN	Item Description	Qty	Unit	Make	Model
1.419	L3 Switch with all fiber switch	2	No.		
1.5	UPS & Battery System				
1.51	Online modular UPS System with battery 75 KVA or better with two power module of 25 KVA or better with battery bank and isolation transformer	1	No.		
1.52	Online modular UPS System with battery 75 KVA or better with two power module of 25 KVA or better with battery bank and isolation transformer	1	No.		
1.6	Storage system				
1.61	Storage Primary	1	No.		
1.62	Storage Secondary	1	No.		
1.63	Tape Library	1	No.		
1.64	SAN Switch	2	No.		
1.7	Software License-Application				
1.71	Identity and Access Management	1	No.		
1.72	Backup Software	1	No.		
1.73	EMS/NMS Solution (For 500 Devices)	1	Lot		
1.74	Help Desk Solution (Minimum 25 nos. concurrent users)	1	Lot		
1.8	Additional Software Licenses				
1.81	Virtualization	1	Lot		
1.82	Operating System	1	Lot		
1.9	Implementation Cost				
1.91	Installation, testing and commissioning charges for all hardware, application, database and integration with other systems etc.as per the proposed solution including manpower cost before Go-Live period.	1	Lot		
2	Additional Items				
2.01	Additional item 1	1	No.		
2.02	Additional item 2	1	No.		
2.03	Additional item 3	1	No.		
2.04	Additional item 4	1	No.		
2.05	Additional item 5	1	No.		
BOQ 2					
1	Part- 'B' Bill of Material for Disaster Recovery Center, Haldwani				
1.1	Compute				
1.11	Compute Servers	21	No.		
1.2	Network and Security Devices				
1.21	Firewall External with anti APT device	1	No.		
1.22	Firewall Internal	1	No.		
1.23	Spine Switch	2	No.		
1.24	Leaf Switch	2	No.		
1.25	Load Balancer	1	No.		
1.26	Web Application Firewall (WAF)	1	No.		
1.27	SDWAN device for DR with management dashboard	1	No.		
1.28	SSL VPN Zero Trust Network Access (ZTNA)	1	No.		
1.29	L3 Switch	2	No.		

SN	Item Description	Qty	Unit	Make	Model
1.3	Storage & Backup Devices				
1.31	Storage Primary	1	No.		
1.32	Storage Secondary	1	No.		
1.33	Tape Library	1	No.		
1.34	SAN Switch	2	No.		
1.4	UPS and Battery System				
1.41	Online modular UPS System without battery 75 KVA or better with two power module of 25 KVA or better without battery bank and isolation transformer	1	No.		
1.42	Online modular UPS System without battery 75 KVA or better with two power module of 25 KVA or better without battery bank and isolation transformer	1	No.		
1.5	Additional Software Licenses				
1.51	Virtualization	1	Lot.		
1.52	Operating system	1	Lot.		
1.6	DC DR Drill				
1.61	DC DR drill for entire Billing system with web portals and apps including automation software	1	Lot.		
1.7	Implementation Cost				
1.71	Installation, testing and commissioning charges for all hardware, application and database etc.as per the proposed solution.	1	Lot.		
BOQ 3					
1	Part- 'C' Bill of Material for GIS Work- Survey				
1.1	Survey				
1.11	Procurement of Satelite Imageries and preparation of base map	20000	Sq. Km.		
1.12	HT (66/33 KV) overhead lines/ underground cables along with associated line equipments such as Poles, conductors, RMUs, DTRs, capacitors etc.	5000	Kms		
1.13	66/33, 66/11,33/11 KV Substation	225	Nos.		
1.14	HT (11 KV) overhead lines/ underground cables along with associated line equipments such as Poles, conductors, RMUs, DTRs, capacitors etc.	44000	Kms		
1.15	Painting of asset code on the surveyed electrical asset including surface preparation, base coat and final marking etc. as per UPCL requirement	200000	Assets		
1.16	Preparation of Digitized electrical network substation-wise on the base map in the pre-defined scale with features and attributes of assets and consumers migrated from third party database for GIS application	225	Nos.		
BOQ 4					
1	Part- 'D' Additional BoQ for Security and GIS				
1.1	Compute				
1.11	Compute	6	No.		
1.2	Network and Security Devices				

SN	Item Description	Qty	Unit	Make	Model
1.21	SOAR	1	No.		
1.22	XDR	1	No.		
1.23	HIPS	1	Lot		
1.24	NIPS	1	Lot		
1.25	EndPoint Protection (EPP) (Antivirus)	1	Lot		
1.26	Web Security	1	No.		
1.27	E-mail Security	1	No.		
1.28	DDoS	2	No.		
1.3	Large display screen				
1.32	Large Display Screen (Minimum 55") for NMS/ Monitoring Software Display	2	No.		
1.4	Server Rack				
1.41	Server Rack minimum 42 U with dual IPDU, cable manager, FAN and perforated front and back door, 2 nos. iPDU etc.	12	No.		
1.5	GIS Software, Implementation and migration				
1.51	Software Licenses for GIS work complete including server licenses for hosting GIS application and minimum 4 concurrent desktop user for working on GIS server and other licenses of subsystem to run GIS application for all user of UPCL with software support from OEM till GO-LIVE of system	1	Lot		
1.52	Third party Data integration of Consumer Data & LT Network (AMISP etc.) including validations and QA/QC	1	Lot		
1.53	One time data migration cost for transferring, validating, QA/QC of UPCL existing GIS data to new developed GIS application	1	Lot		
1.54	Implementation cost of Web based GIS Application	1	Lot		
1.55	Implementation cost of Desktop Based GIS application	1	Lot		
1.56	Implementation cost of GIS Mobile application	1	Lot		
1.6	Security Compliances				
1.61	Security audit of entire new applications, mobile apps including hardware, network and application Grey box testing, VAPT etc. from CERT-In empanelled agency	1	Lot		
1.62	Development of Cyber security policy, Data Privacy policy, IT usage policy and backup policy etc. for UPCL inline with CEA/CERT-in guidelines	1	Lot		
1.63	Development of ISMS policy and ISO certification 27001 or higher of UPCL Data Center and Disaster Recovery Center	1	Lot		
BOQ 5					
1	Part- 'E' Workstation, FMS & ATS				
1.1	Workstation PCs				
1.11	Supply and installation of WorkStation PC with monitor and UPS in different offices of UPCL spread across Uttarakhand.	500	No.		

SN	Item Description	Qty	Unit	Make	Model
1.2	Facility Management Services (FMS) Cost				
1.21	Facility Management Services for providing support and manpower for the period of first year including software upgrade (including version upgrade) in MBC, Mobile apps, webportal and related applications after Go-Live period.	1	Year		
1.22	Facility Management Services for providing support and manpower for the period of Second year including software upgrade (including version upgrade) in MBC, Mobile apps, webportal and related applications after Go-Live period.	1	Year		
1.23	Facility Management Services for providing support and manpower for the period of third year including software upgrade (including version upgrade) in MBC, Mobile apps, webportal and related applications after Go-Live period.	1	Year		
1.3	Annual Technical Support (ATS) Cost after Go-Live period				
1.31	Annual Technical Support (ATS)/ Annual support cost for the period of one year from the OEM of the Billing Software after Go-Live period	3	Year		
1.32	Annual Support Cost for the period of one year for website, web portal , third party integration, whatsapp, chatbot etc. after Go-Live period	3	Year		
1.33	Annual Technical Support (ATS)/ Annual Support Cost for the period of one year from the OEM of the Call Centre Application (Dialer) with 70 nos. concurrent users after Go-Live period	3	Year		
1.34	Annual Technical Support (ATS) /Annual Support Cost for the period of one year for all mobile applications after Go-Live period	3	Year		
1.4	Facility Management Services (FMS) Cost for GIS				
1.41	Facility Management Services for providing support and manpower for the period of first year including software (including version upgrade) upgrade in GIS and related applications after Go-Live period.	1	Year		
1.42	Facility Management Services for providing support and manpower for the period of second year including software upgrade (including version upgrade) in GIS and related applications after Go-Live period.	1	Year		
1.43	Facility Management Services for providing support and manpower for the period of third year including software upgrade (including version upgrade) in GIS and related applications after Go-Live period.	1	Year		

SN	Item Description	Qty	Unit	Make	Model
1.5	Annual Technical Support (ATS) Cost after Go-Live period				
1.51	Annual Technical Support (ATS)/ Annual Support Cost for GIS software after Go-Live period	3	Year		

Item Date BoQ		Validate		Print		Help			
Tender Inviting Authority: Superintending Engineer RAPDRP-A, Uttarakhand Power Corporation Limited, V.C.V Gabar Singh Urja Bhawan, Kanwali Road, Dehradun-248001									
Name of Work: Appointment of System Integrator (SI) for implementation of Utility Billing system in UPCL									
Tender identification no.: 01/RDSS (Billing)/2024-25 dated 28-08-2024									
Name of the Bidder/ Bidding Firm /									
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only) Note:- 1. The bidder shall have to quote for all the items & parts mentioned in this excel sheet. 2. The bidder may propose SDWAN controller of DC and DR with external firewall. In this case, bidder shall quote the SDWAN controller price of DC and DR as "Zero" and clearly mention the same in their technical proposal that they are proposing SDWAN controller with external firewall in one hardware. 3. The bidder may propose Web Application Firewall of DC and DR with Load Balancer. In this case, bidder shall quote the Load Balancer price of DC and DR as "Zero" and clearly mention the same in their technical proposal that they are proposing Web Application Firewall and Load Balancer in one hardware. 4. Bidder is require to quote same price for the IT component appears at different BoQ sheets. In case bidder quote different price for same component, the entire price bid shall be recalculated using the lower quotest price of the component. Bidder shall liable to provide the component at lowest quoted cost. 5. UPCL will manually add the total amount of BoQ 1 to BoQ5. The total value of BoQ-6 shall be deducted from the sum of BoQ 1 to 5. The financial bid shall be evaluated on the basis of Net Project Cost [cost of (BoQ1 + BoQ2 + BoQ3+BoQ4+BoQ5) - cost of BoQ6]. 6. Total project cost=BoQ1+BoQ2+BoQ3+BoQ4+BoQ5. Sum of the total cost quoted against BoQ1, BoQ2 and BoQ3 should not exceed 61% of total quoted project cost. Cost quoted against BoQ4 should not exceed 15% of total quoted project cost. Failing this bid shall be rejected. 7. FMS cost of first year of FMS shall not be less than the 5% of the total cost of the project excluding FMS and ATS cost. 8. Bidder shall take minimum 7% escalation in FMS cost on previous year FMS cost. In case bidder fails to do so, UPCL shall adjust this cost from the quoted project cost without changing total project cost.									
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #	
Sl.No.	Item Description	Quantity (in Years)	Units	Unit RATE In Figures To be entered by the Bidder (IN INR)	Unit Goods & Services Tax (GST) in INR	TOTAL AMOUNT Without Taxes in INR	TOTAL AMOUNT With Taxes in INR	TOTAL AMOUNT In Words	
1	Part- 'A' Bill of Material for Data Center, Dehradun								
1.1	Metering, Billing Collection (MBC)/ Constomer Information System (CIS) Solution								
1.11	Software Licenses / Subscription for Metering, Billing, Collection, New Connection, Disconnection, Customer information system, web services, middleware, integration software, databases and related softwares etc. to run complete billing system with software support from OEM till GO-LIVE of system	1	Lot			0.00	0.00	INR Zero Only	
1.12	Website, consumer web portal including third party integration (payment gateways, SMS, Govt. portals etc.) and development cost	1	Lot			0.00	0.00	INR Zero Only	
1.13	Consumer mobile application for iOS and Android development cost	1	Lot			0.00	0.00	INR Zero Only	
1.14	Billing mobilie Application development cost	1	Lot			0.00	0.00	INR Zero Only	
1.15	Field Activity Management Application for iOS and Android development cost	1	Lot			0.00	0.00	INR Zero Only	

1.16	Other mobile Applications development cost	1	Lot			0.00	0.00	INR Zero Only
1.17	Call Centre Application (Dialer) with 70 nos. concurrent users with support from OEM till Go-Live period	70	No.			0.00	0.00	INR Zero Only
1.18	Development of Chat Bot and Whatsapp services for UPCL and its integration with Billing and other applications	1	Lot			0.00	0.00	INR Zero Only
1.2	Complete Billing Data Migration							
1.21	Complete existing Billing Data Migration including testing and validation work into new application software for Billing.	1	Lot			0.00	0.00	INR Zero Only
1.3	Compute							
1.31	Compute	21	No.			0.00	0.00	INR Zero Only
1.4	Network and Security Devices							
1.401	Firewall External with anti APT device	2	No.			0.00	0.00	INR Zero Only
1.402	Firewall Internal	2	No.			0.00	0.00	INR Zero Only
1.403	Spine Switch	2	No.			0.00	0.00	INR Zero Only
1.404	Leaf Switch	2	No.			0.00	0.00	INR Zero Only
1.405	Load Balancer	2	No.			0.00	0.00	INR Zero Only
1.406	Web Application Firewall (WAF)	2	No.			0.00	0.00	INR Zero Only
1.407	SDWAN device for DC with management dashboard	2	No.			0.00	0.00	INR Zero Only
1.408	Supply and installation of SDWAN for Field Devices in UPCL offices spread across Uttarakhand.	170	No.			0.00	0.00	INR Zero Only
1.409	SSL VPN Zero Trust Network Access (ZTNA)	1	No.			0.00	0.00	INR Zero Only
1.410	SIEM	1	Lot			0.00	0.00	INR Zero Only
1.418	L3 Switch	6	No.			0.00	0.00	INR Zero Only
1.419	L3 Switch with all fiber switch	2	No.			0.00	0.00	INR Zero Only
1.5	UPS & Battery System							
1.51	Online modular UPS System with battery 75 KVA or better with two power module of 25 KVA or better with battery bank and isolation transformer	1	No.			0.00	0.00	INR Zero Only

1.52	Online modular UPS System with battery 75 KVA or better with two power module of 25 KVA or better with battery bank and isolation transformer	1	No.			0.00	0.00	INR Zero Only
1.6	Storage system							
1.61	Storage Primary	1	No.			0.00	0.00	INR Zero Only
1.62	Storage Secondary	1	No.			0.00	0.00	INR Zero Only
1.63	Tape Library	1	No.			0.00	0.00	INR Zero Only
1.64	SAN Switch	2	No.			0.00	0.00	INR Zero Only
1.7	Software License-Application							
1.71	Identity and Access Management	1	No.			0.00	0.00	INR Zero Only
1.72	Backup Software	1	No.			0.00	0.00	INR Zero Only
1.73	EMS/NMS Solution (For 500 Devices)	1	Lot			0.00	0.00	INR Zero Only
1.74	Help Desk Solution (Minimum 25 nos. concurrent users)	1	Lot			0.00	0.00	INR Zero Only
1.8	Additional Software Licenses							
1.81	Virtualization	1	Lot			0.00	0.00	INR Zero Only
1.82	Operating System	1	Lot			0.00	0.00	INR Zero Only
1.9	Implementation Cost							
1.91	Installation, testing and commissioning charges for all hardware, application, database and integration with other systems etc.as per the proposed solution including manpower cost before Go-Live period.	1	Lot			0.00	0.00	INR Zero Only
2	Additional Items							
2.01	Additional item 1	1	No.			0.00	0.00	INR Zero Only
2.02	Additional item 2	1	No.			0.00	0.00	INR Zero Only
2.03	Additional item 3	1	No.			0.00	0.00	INR Zero Only
2.04	Additional item 4	1	No.			0.00	0.00	INR Zero Only
2.05	Additional item 5	1	No.			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only						

Tender Inviting Authority: Superintending Engineer, RAPDRP- A, Uttarakhand Power Corporation Limited, V.C.V Gabar Singh Urja Bhawan, Kanwali Road, Dehradun-248001

Name of Work: Appointment of System Integrator (SI) for implementation of Utility Billing system in UPCL

Tender identification no.: 01/RDSS (Billing)/2024-25 dated 28-08-2024

Name of the Bidder/
Bidding Firm /
Company :

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)
Note:-

- The bidder shall have to quote for all the items & parts mentioned in this excel sheet.
- The bidder may propose SDWAN controller of DC and DR with external firewall. In this case, bidder shall quote the SDWAN controller price of DC and DR as "Zero" and clearly mention the same in their technical proposal that they are proposing SDWAN controller with external firewall in one hardware.
- The bidder may propose Web Application Firewall of DC and DR with Load Balancer. In this case, bidder shall quote the Load Balancer price of DC and DR as "Zero" and clearly mention the same in their technical proposal that they are proposing Web Application Firewall and Load Balancer in one hardware.
- Bidder is require to quote same price for the IT component appears at different BoQ sheets. In case bidder quote different price for same component, the entire price bid shall be recalculated using the lower quotest price of the component. Bidder shall liable to provide the component at lowest quoted cost.
- UPCL will manually add the total amount of BoQ 1 to BoQ5. The total value of BoQ-6 shall be deducted from the sum of BoQ 1 to 5. The financial bid shall be evaluated on the basis of Net Project Cost [cost of (BoQ1 + BoQ2 + BoQ3+BoQ4+BoQ5) - cost of BoQ6].
- Total project cost=BoQ1+BoQ2+BoQ3+BoQ4+BoQ5. Sum of the total cost quoted against BoQ1, BoQ2 and BoQ3 should not exceed 61% of total quoted project cost. Cost quoted against BoQ4 should not exceed 15% of total quoted project cost. Failing this bid shall be rejected.
- FMS cost of first year of FMS shall not be less than the 5% of the total cost of the project excluding FMS and ATS cost.
- Bidder shall take minimum 7% escalation in FMS cost on previous year FMS cost. In case bidder fails to do so, UPCL shall adjust this cost from the quoted project cost without changing total project cost.

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl.No.	Item Description	Quantity (in Years)	Units	Unit RATE In Figures To be entered by the Bidder (IN INR)	Unit Goods & Services Tax (GST) in INR	TOTAL AMOUNT Without Taxes in INR	TOTAL AMOUNT With Taxes in INR	TOTAL AMOUNT In Words
1	Part- 'B' Bill of Material for Disaster Recovery Center, Haldwani							
1.1	Compute							
1.11	Compute Servers	21	No.			0.00	0.00	INR Zero Only
1.2	Network and Security Devices							
1.21	Firewall External with anti APT device	1	No.			0.00	0.00	INR Zero Only
1.22	Firewall Internal	1	No.			0.00	0.00	INR Zero Only
1.23	Spine Switch	2	No.			0.00	0.00	INR Zero Only
1.24	Leaf Switch	2	No.			0.00	0.00	INR Zero Only
1.25	Load Balancer	1	No.			0.00	0.00	INR Zero Only
1.26	Web Application Firewall (WAF)	1	No.			0.00	0.00	INR Zero Only
1.27	SDWAN device for DR with management dashboard	1	No.			0.00	0.00	INR Zero Only
1.28	SSL VPN Zero Trust Network Access (ZTNA)	1	No.			0.00	0.00	INR Zero Only
1.29	L3 Switch	2	No.			0.00	0.00	INR Zero Only
1.3	Storage & Backup Devices							

1.31	Storage Primary	1	No.			0.00	0.00	INR Zero Only
1.32	Storage Secondary	1	No.			0.00	0.00	INR Zero Only
1.33	Tape Library	1	No.			0.00	0.00	INR Zero Only
1.34	SAN Switch	2	No.			0.00	0.00	INR Zero Only
1.4	UPS and Battery System							
1.41	Online modular UPS System without battery 75 KVA or better with two power module of 25 KVA or better without battery bank and isolation transformer	1	No.			0.00	0.00	INR Zero Only
1.42	Online modular UPS System without battery 75 KVA or better with two power module of 25 KVA or better without battery bank and isolation transformer	1	No.			0.00	0.00	INR Zero Only
1.5	Additional Software Licenses							
1.51	Virtualization	1	Lot.			0.00	0.00	INR Zero Only
1.52	Operating system	1	Lot.			0.00	0.00	INR Zero Only
1.6	DC DR Drill							
1.61	DC DR drill for entire Billing system with web portals and apps including automation software	1	Lot.			0.00	0.00	INR Zero Only
1.7	Implementation Cost							
1.71	Installation, testing and commissioning charges for all hardware, application and database etc.as per the proposed solution.	1	Lot.			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only						

Tender Inviting Authority: Superintending Engineer RAPDRP -A, Uttarakhand Power Corporation Limited, V.C.V Gabar Singh Urja Bhawan, Kanwali Road, Dehradun-248001 Annexure-C

Name of Work: Appointment of System Integrator (SI) for implementation of Utility Billing system in UPCL

Tender identification no.: 01/RDSS (Billing)/2024-25 dated 28-08-2024

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Name of the Bidder/ Bidding Firm / Company :

PRICE SCHEDULE
 (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)
 Note:-
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 2. The bidder may propose SDWAN controller of DC and DR with external firewall. In this case, bidder shall quote the SDWAN controller price of DC and DR as "Zero" and clearly mention the same in their technical proposal that they are proposing SDWAN controller with external firewall in one hardware.
 3. The bidder may propose Web Application Firewall of DC and DR with Load Balancer. In this case, bidder shall quote the Load Balancer price of DC and DR as "Zero" and clearly mention the same in their technical proposal that they are proposing Web Application Firewall and Load Balancer in one hardware.
 4. Bidder is require to quote same price for the IT component appears at different BoQ sheets. In case bidder quote different price for same component, the entire price bid shall be recalculated using the lower quotest price of the component. Bidder shall liable to provide the component at lowest quoted cost.
 5. UPCL will manually add the total amount of BoQ 1 to BoQ5. The total value of BoQ-6 shall be deducted from the sum of BoQ 1 to 5. The financial bid shall be evaluated on the basis of Net Project Cost [cost of (BoQ1 + BoQ2 + BoQ3+BoQ4+BoQ5) - cost of BoQ6].
 6. Total project cost=BoQ1+BoQ2+BoQ3+BoQ4+BoQ5. Sum of the total cost quoted against BoQ1, BoQ2 and BoQ3 should not exceed 61% of total quoted project cost. Cost quoted against BoQ4 should not exceed 15% of total quoted project cost. Failing this bid shall be rejected.
 7. FMS cost of first year of FMS shall not be less than the 5% of the total cost of the project excluding FMS and ATS cost.
 8. Bidder shall take minimum 7% escalation in FMS cost on previous year FMS cost. In case bidder fails to do so, UPCL shall adjust this cost from the quoted project cost without changing total project cost.

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl.No.	Item Description	Quantity	Units	BASIC Unit RATE In Figures To be entered by the Bidder (IN INR)	Unit Goods & Services Tax (GST) in INR	TOTAL AMOUNT Without Taxes in INR	TOTAL AMOUNT With Taxes in INR	TOTAL AMOUNT In Words
1	Part- 'C' Bill of Material for GIS Work- Survey							
1.1	Survey							
1.11	Procurement of Satelite Imageries and preparation of base map	20000	Sq. Km.			0.00	0.00	INR Zero Only
1.12	HT (66/33 KV) overhead lines/ underground cables along with associated line equipments such as Poles, conductors, RMUs, DTRs, capacitors etc.	5000	Kms			0.00	0.00	INR Zero Only
1.13	66/33, 66/11,33/11 KV Substation	225	Nos.			0.00	0.00	INR Zero Only
1.14	HT (11 KV) overhead lines/ underground cables along with associated line equipments such as Poles, conductors, RMUs, DTRs, capacitors etc.	44000	Kms			0.00	0.00	INR Zero Only
1.15	Painting of asset code on the surveyed electrical asset including surface preparation, base coat and final marking etc. as per UPCL requirement	200000	Assets			0.00	0.00	INR Zero Only
1.16	Preparation of Digitized electrical network substation-wise on the base map in the pre-defined scale with features and attributes of assets and consumers migrated from third party database for GIS application	225	Nos.			0.00	0.00	INR Zero Only

Total in Figures			0.00	0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only				

Tender Inviting Authority: Superintending Engineer RAPDRP-A, Uttarakhand Power Corporation Limited, V.C.V Gabar Singh Urja Bhawan, Kanwali Road, Dehradun-248001

Name of Work: Appointment of System Integrator (SI) for implementation of Utility Billing system in UPCL

Tender identification no.: 01/RDSS (Billing)/2024-25 dated 28-08-2024

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Name of the Bidder/ Bidding Firm /

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NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl.No.	Item Description	Quantity (in Years)	Units	Unit RATE In Figures To be entered by the Bidder (IN INR)	Unit Goods & Services Tax (GST) in INR	TOTAL AMOUNT Without Taxes in INR	TOTAL AMOUNT With Taxes in INR	TOTAL AMOUNT In Words
1	Part- 'D' Additional BoQ for Security and GIS							
1.1	Compute							
1.11	Compute	6	No.			0.00	0.00	INR Zero Only
1.2	Network and Security Devices							
1.21	SOAR	1	No.			0.00	0.00	INR Zero Only
1.22	XDR	1	No.			0.00	0.00	INR Zero Only
1.23	HIPS	1	Lot			0.00	0.00	INR Zero Only

1.24	NIPS	1	Lot			0.00	0.00	INR Zero Only
1.25	EndPoint Protection (EPP) (Antivirus)	1	Lot			0.00	0.00	INR Zero Only
1.26	Web Security	1	No.			0.00	0.00	INR Zero Only
1.27	E-mail Security	1	No.			0.00	0.00	INR Zero Only
1.28	DDoS	2	No.			0.00	0.00	INR Zero Only
1.3	Large display screen							
1.32	Large Display Screen (Minimum 55") for NMS/ Monitoring Software Display	2	No.			0.00	0.00	INR Zero Only
1.4	Server Rack							
1.41	Server Rack minimum 42 U with dual IPDU, cable manager, FAN and perforated front and back door, 2 nos. iPDU etc.	12	No.			0.00	0.00	INR Zero Only
1.5	GIS Software, Implementation and migration							
1.51	Software Licenses for GIS work complete including server licenses for hosting GIS application and minimum 4 concurrent desktop user for working on GIS server and other licenses of subsystem to run GIS application for all user of UPCL with software support from OEM till GO-LIVE of system	1	Lot			0.00	0.00	INR Zero Only
1.52	Third party Data integration of Consumer Data & LT Network (AMISP etc.) including validations and QA/QC	1	Lot			0.00	0.00	INR Zero Only
1.53	One time data migration cost for transferring, validating, QA/QC of UPCL existing GIS data to new developed GIS application	1	Lot			0.00	0.00	INR Zero Only
1.54	Implementation cost of Web based GIS Application	1	Lot			0.00	0.00	INR Zero Only
1.55	Implementation cost of Desktop Based GIS application	1	Lot			0.00	0.00	INR Zero Only
1.56	Implementation cost of GIS Mobile application	1	Lot			0.00	0.00	INR Zero Only
1.6	Security Compliances							
1.61	Security audit of entire new applications, mobile apps including hardware, network and application Grey box testing, VAPT etc. from CERT-In empanelled agency	1	Lot			0.00	0.00	INR Zero Only
1.62	Development of Cyber security policy, Data Privacy policy, IT usage policy and backup policy etc. for UPCL inline with CEA/CERT-in guidelines	1	Lot			0.00	0.00	INR Zero Only
1.63	Development of ISMS policy and ISO certification 27001 or higher of UPCL Data Center and Disaster Recovery Center	1	Lot			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only

Quoted Rate in Words

INR Zero Only

Tender Inviting Authority: Superintending Engineer RAPDRP-A, Uttarakhand Power Corporation Limited, V.C.V Gabar Singh Urja Bhawan, Kanwali Road, Dehradun-248001

Name of Work: Appointment of System Integrator (SI) for implementation of Utility Billing system in UPCL

Tender identification no.: 01/RDSS (Billing)/2024-25 dated 28-08-2024

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Name of the Bidder/ Bidding Firm /

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NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl.No.	Item Description	Quantity (in Years)	Units	Unit RATE In Figures To be entered by the Bidder (IN INR)	Unit Goods & Services Tax (GST) in INR	TOTAL AMOUNT Without Taxes in INR	TOTAL AMOUNT With Taxes in INR	TOTAL AMOUNT In Words
1	Part- 'E' Workstation, FMS & ATS							
1.1	Workstation PCs							
1.11	Supply and installation of WorkStation PC with monitor and UPS in different offices of UPCL spread across Uttarakhand.	500	No.			0.00	0.00	INR Zero Only
1.2	Facility Management Services (FMS) Cost							
1.21	Facility Management Services for providing support and manpower for the period of first year including software upgrade (including version upgrade) in MBC, Mobile apps, webportal and related applications after Go-Live period.	1	Year			0.00	0.00	INR Zero Only
1.22	Facility Management Services for providing support and manpower for the period of Second year including software upgrade (including version upgrade) in MBC, Mobile apps, webportal and related applications after Go-Live period.	1	Year			0.00	0.00	INR Zero Only
1.23	Facility Management Services for providing support and manpower for the period of third year including software upgrade (including version upgrade) in MBC, Mobile apps, webportal and related applications after Go-Live period.	1	Year			0.00	0.00	INR Zero Only

1.3	Annual Technical Support (ATS) Cost after Go-Live period							
1.31	Annual Technical Support (ATS)/ Annual support cost for the period of one year from the OEM of the Billing Software after Go-Live period	3	Year			0.00	0.00	INR Zero Only
1.32	Annual Support Cost for the period of one year for website, web portal , third party integration, whatsapp, chatbot etc. after Go-Live period	3	Year			0.00	0.00	INR Zero Only
1.33	Annual Technical Support (ATS)/ Annual Support Cost for the period of one year from the OEM of the Call Centre Application (Dialer) with 70 nos. concurrent users after Go-Live period	3	Year			0.00	0.00	INR Zero Only
1.34	Annual Technical Support (ATS)/Annual Support Cost for the period of one year for all mobile applications after Go-Live period	3	Year			0.00	0.00	INR Zero Only
1.4	Facility Management Services (FMS) Cost for GIS							
1.41	Facility Management Services for providing support and manpower for the period of first year including software (including version upgrade) upgrade in GIS and related applications after Go-Live period.	1	Year			0.00	0.00	INR Zero Only
1.42	Facility Management Services for providing support and manpower for the period of second year including software upgrade (including version upgrade) in GIS and related applications after Go-Live period.	1	Year			0.00	0.00	INR Zero Only
1.43	Facility Management Services for providing support and manpower for the period of third year including software upgrade (including version upgrade) in GIS and related applications after Go-Live period.	1	Year			0.00	0.00	INR Zero Only
1.5	Annual Technical Support (ATS) Cost after Go-Live period							
1.51	Annual Technical Support (ATS)/ Annual Support Cost for GIS software after Go-Live period	3	Year			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only						

Tender Inviting Authority: Superintending Engineer RAPDRP-A, Uttarakhand Power Corporation Limited, V.C.V Gabar Singh Urja Bhawan, Kanwali Road, Dehradun-248001

Name of Work: Appointment of System Integrator (SI) for implementation of Utility Billing system in UPCL

Tender identification no.: 01/RDSS (Billing)/2024-25 dated 28-08-2024

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Name of the Bidder/ Bidding Firm / Company :

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)
Note:-

- The bidder shall have to quote for all the items & parts mentioned in this excel sheet.
- The bidder may propose SDWAN controller of DC and DR with external firewall. In this case, bidder shall quote the SDWAN controller price of DC and DR as "Zero" and clearly mention the same in their technical proposal that they are proposing SDWAN controller with external firewall in one hardware.
- The bidder may propose Web Application Firewall of DC and DR with Load Balancer. In this case, bidder shall quote the Load Balancer price of DC and DR as "Zero" and clearly mention the same in their technical proposal that they are proposing Web Application Firewall and Load Balancer in one hardware.
- Bidder is require to quote same price for the IT component appears at different BoQ sheets. In case bidder quote different price for same component, the entire price bid shall be recalculated using the lower quotest price of the component. Bidder shall liable to provide the component at lowest quoted cost.
- UPCL will manually add the total amount of BoQ 1 to BoQ5. The total value of BoQ-6 shall be deducted from the sum of BoQ 1 to 5. The financial bid shall be evaluated on the basis of Net Project Cost [cost of (BoQ1 + BoQ2 + BoQ3+BoQ4+BoQ5) - cost of BoQ6].
- Total project cost=BoQ1+BoQ2+BoQ3+BoQ4+BoQ5. Sum of the total cost quoted against BoQ1, BoQ2 and BoQ3 should not exceed 61% of total quoted project cost. Cost quoted against BoQ4 should not exceed 15% of total quoted project cost. Failing this bid shall be rejected.
- FMS cost of first year of FMS shall not be less than the 5% of the total cost of the project excluding FMS and ATS cost.
- Bidder shall take minimum 7% escalation in FMS cost on previous year FMS cost. In case bidder fails to do so, UPCL shall adjust this cost from the quoted project cost without changing total project cost.

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #
SI.No.	Item Description	Quantity	Units	BASIC Unit RATE In Figures To be entered by the Bidder (IN INR)	Unit Goods & Services Tax (GST) in INR	TOTAL AMOUNT Without Taxes in INR	TOTAL AMOUNT With Taxes in INR	TOTAL AMOUNT In Words
1	Part- 'D' Buyback Hardware of Data Center, Dehradun							
1.1	Buyback Hardware of Data Center, Dehradun							
1.101	IBM x3650 M2	37	Nos			0.00	0.00	INR Zero Only
1.102	IBM x3650 M3	6	Nos			0.00	0.00	INR Zero Only
1.103	IBM x3950 X5	34	Nos			0.00	0.00	INR Zero Only
1.104	IBM X3550 M2 7511740	1	Nos			0.00	0.00	INR Zero Only
1.105	CISCO UCSC-C240-M4S-V02	14	Nos			0.00	0.00	INR Zero Only
1.106	IBM POWER S822 8284 22A	2	Nos			0.00	0.00	INR Zero Only
1.107	IBM x346	2	Nos.			0.00	0.00	INR Zero Only
1.108	Wipro net power	2	Nos.			0.00	0.00	INR Zero Only
1.109	HP rp3440	2	Nos.			0.00	0.00	INR Zero Only
1.110	HP Storage hsv100	1	Nos.			0.00	0.00	INR Zero Only
1.111	Ultrim tape drive	1	Nos.			0.00	0.00	INR Zero Only
1.112	HP Compaq ProLiant ML350	1	Nos.			0.00	0.00	INR Zero Only
1.113	Sun Server Sun Fire X4150	1	Nos.			0.00	0.00	INR Zero Only
1.114	IBM SAN storage 128 TB Raw Capacity DS8884	1	Nos.			0.00	0.00	INR Zero Only
1.115	IBM Storage 64 TB Raw Capacity DS8300	1	Nos.			0.00	0.00	INR Zero Only
1.116	SAN Switch cisco MDS 9509 (9 Slot)	2	Nos.			0.00	0.00	INR Zero Only
1.117	IBM TS3500	1	Nos.			0.00	0.00	INR Zero Only

1.118	Juniper- SRX 3400	5	Nos.			0.00	0.00	INR Zero Only
1.119	Juniper-M320	3	Nos.			0.00	0.00	INR Zero Only
1.120	Juniper- SA 6500	2	Nos.			0.00	0.00	INR Zero Only
1.121	Radware App Director	4	Nos.			0.00	0.00	INR Zero Only
1.122	JUNIPER STRM 500	1	Nos.			0.00	0.00	INR Zero Only
1.123	JUNIPER IDP 8200	4	Nos.			0.00	0.00	INR Zero Only
1.124	JUNIPER NSM 3000	1	Nos.			0.00	0.00	INR Zero Only
1.125	Juniper Ex-8208	4	Nos.			0.00	0.00	INR Zero Only
1.126	Juniper Ex-3200	6	Nos.			0.00	0.00	INR Zero Only
1.127	CISCO-MCS-7800	2	Nos.			0.00	0.00	INR Zero Only
1.128	UPS 40 KVA Eaton with isolation transformer	2	Nos.			0.00	0.00	INR Zero Only
1.129	Battery bank (180 Nos* 2V * 200 AH)	1	Nos.			0.00	0.00	INR Zero Only
1.130	Server/Network Rack	19	Nos.			0.00	0.00	INR Zero Only
1.131	UPS 160 KVA Eaton with isolation transformer	2	Nos.			0.00	0.00	INR Zero Only
1.2	Buyback Hardware of Disaster Recovery Center, Haldwani							
1.201	IBM 7915 X3650 M4	36	Nos.			0.00	0.00	INR Zero Only
1.202	IBM MT 7143 X3850 X5	28	Nos.			0.00	0.00	INR Zero Only
1.203	CISCO UCSC-C240-M4S-V02	4	Nos.			0.00	0.00	INR Zero Only
1.204	IBM POWER S822 8284 22A	2	Nos.			0.00	0.00	INR Zero Only
1.205	IBM System Storage DS 8870	1	Nos.			0.00	0.00	INR Zero Only
1.206	SAN Switch cisco MDS 9509 (9 Slot)	2	Nos.			0.00	0.00	INR Zero Only
1.207	Tape Library IBM TS3500	1	Nos.			0.00	0.00	INR Zero Only
1.208	Juniper SRX 3400	3	Nos.			0.00	0.00	INR Zero Only
1.209	Juniper M320	3	Nos.			0.00	0.00	INR Zero Only
1.210	Juniper J6350	2	Nos.			0.00	0.00	INR Zero Only
1.211	Juniper EX8208	4	Nos.			0.00	0.00	INR Zero Only
1.212	Juniper EX 3200	3	Nos.			0.00	0.00	INR Zero Only
1.213	STRM 500	1	Nos.			0.00	0.00	INR Zero Only
1.214	IDP 8200	4	Nos.			0.00	0.00	INR Zero Only
1.215	CISCO MCS 7800	2	Nos.			0.00	0.00	INR Zero Only
1.216	JUNIPER NSM 3000	1	Nos.			0.00	0.00	INR Zero Only
1.217	UPS 160 KVA Eaton with isolation transformer	2	Nos.			0.00	0.00	INR Zero Only
1.218	Battery Bank (240 Nos X 600 AH X 2V)	2	Nos.			0.00	0.00	INR Zero Only
1.219	UPS 40 KVA Eaton with isolation transformer	2	Nos.			0.00	0.00	INR Zero Only
1.220	Battery bank (180 Nos X 2V X 200 AH)	1	Nos.			0.00	0.00	INR Zero Only
1.221	Server/Network Rack	15	Nos.			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only						