

Corrigendum-4 dated 27-10-2017

Design, Development and Implementation of Common Survey Application Portal for  
Department of Economics and Statistics, Tamil Nadu

Tender Reference: ELCOT/EG/567/DES-Survey Portal/2017-18

Please note that the clarifications to the Queries in the Page No 1 to 12 and Amended Pre Qualification Criteria in Page No 12 to 15 and Technical Evaluation Criteria in Page No 15 to 19 are the part of the Tender and the bidders are requested to include the signed clarifications and Amendments with the Tender document. The bids received without clarifications and amendments will be summarily rejected

S. No	Page No.	Clause No. and Title of Clause	Description of Clauses as per Tender Document	Query	Clarifications
1	8	2. Tender Schedule / Data Sheet	Earnest Money Deposit - Rs.1,00,000/- (Rupees One Lakh Only) should be paid by way of Demand Draft drawn in favor of "Electronics Corporation of Tamil Nadu Limited" payable at Chennai only	Whether payment of EMD can be exempted against NSIC Government Purchase Enlistment Certification	Clause remains unchanged
2	18	4.13 Bidding– Three Part System	The first envelope marked "Pre-qualification criteria" in one separate cover, viz., Cover1 must be sealed with sealing wax and signed twice across the seal by authorized signatory	Is the sealing wax Mandatory?	Seal the covers properly
3	20	4.15 Price Bid (Envelop-C) Preparation	4. Both Envelop-B and Envelop-C shall be put inside one envelop super scribed as "Design, Development and Implementation of Common Survey Application Portal for Department of Economics and Statistics, Tamil Nadu.	We understood as Cover – 1: Pre-Qualification documents, Cover – 2: Technical documents, Cover – 3: Price documents, All three	Yes. Cover – 1: Pre-Qualification documents along with EMD, Cover – 2: Technical documents, Cover – 3: Price bid documents, All three together in one

			Tender Ref. No: ELCOT/EG/567/DES-Survey Portal/201718. On Price Bid Envelope, the “From” address and “To” address shall be written without fail, otherwise the Price bid is liable for rejection.	together in one cover which should be written Tender reference, from, to, tender title and due date & time?	cover which should be written Tender reference, from, to, tender title and due date & time
4	28	5.5.2.3. Stage – 2: Technical Bid Evaluation	A1 - Average Turnover and CMMi level	Request to treat ISO 9001 certification equivalent to CMMi Level 1 / 2 for assigning score	Clause remains unchanged
5	28	5.5.2.3. Stage – 2: Technical Bid Evaluation	A2 - Number of projects and value of projects successfully implemented related to developing a web-based application with mobile app interface in the last three years in India in open source. Involving complete SDLC cycle, development, functional testing, certified by TPA operational and maintenance support	Request to consider project experience since 1-Apr-2012.  <i><b>Note:</b>We have implemented a project for TN Agriculture Deptviz, Farm Crop Management System which had an android interface to collect data from field. More than <b>1500</b> users feed in data from tablets on a daily basis and the application has been running successfully since Sep 2013. We would definitely like to believe that this experience is very relevant and should</i>	Refer Amended Pre Qualification and Technical Evaluation Criteria

				<i>be considered in the evaluation and a majority of key team members who had been involved in that project are still with PERI supporting the application.</i>							
6	28	5.5.2.3. Stage – 2: Technical Bid Evaluation	<p>A2 - Weightage for each project:</p> <table border="1"> <thead> <tr> <th>Criteria</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>2 projects of value &gt;= 20 lakhs each ( 1 Project = 4 Marks )</td> <td>8</td> </tr> <tr> <td>Additional projects of value &gt;= 10 lakhs</td> <td>2 for each project, max 12</td> </tr> </tbody> </table>	Criteria	Score	2 projects of value >= 20 lakhs each ( 1 Project = 4 Marks )	8	Additional projects of value >= 10 lakhs	2 for each project, max 12	<p>There is already a monetary value of Rs. 20 Lakhs which is being assigned a score of 4 per project for 2 projects</p> <p>Hence for additional project experience can the monetary value of Rs. 10 Lakhs be removed / reduced for assigning score of 2 per project</p> <p><b>Note:</b> <i>We have implemented projects for Animal Husbandry department and TWAD board which have an android interface to collect data from field. We would definitely like to believe that this experience is very</i></p>	Refer Amended Pre Qualification and Technical Evaluation Criteria
Criteria	Score										
2 projects of value >= 20 lakhs each ( 1 Project = 4 Marks )	8										
Additional projects of value >= 10 lakhs	2 for each project, max 12										

				<i>relevant and should be considered in the evaluation. However the project value is less than 10 Lakhs.</i>	
7	28	5.5.2.3. Stage – 2: Technical Bid Evaluation	A3 - Successfully implemented at least 3 similar projects in last three years for Government departments/PSUs or private entities in India in open source involving survey templates/digital data collection tools, mobile applications and maintenance support.	Request to consider project experience since 1-Apr-2012.  Note : same as above	Refer Amended Pre Qualification and Technical Evaluation Criteria
8	36	7.1 Software design	1. Common Survey Application Framework (CSAF)	1) The Mobile app should be OS independent but the specified Device is Android Based. Please clarify  2) What is the preferred Mobile application development – Native or Hybrid?	1) <i>Mobile interface should be android based, not OS independent.</i>  2) <i>Native App</i>
9	36	7.1 Software design	1. Common Survey Application Framework (CSAF)	Data Visualization tools – Any specific tools will be prescribed by client or	<i>Customizable at the time of development</i>

				should be a customized one developed at the time of development.	
10	36	7.1 Software design - Specification of Schemes in Web & Mobile Interface	The mobile application must be compatible the following hardware specifications: i. 9.5" android with Capacitive Touch Screen ii. 1.0 GHz Processor iii. 1 GB RAM iv. 8 GB ROM	Please mention your device hardware specification including available ports and OS version specification. Will the successful bidder provided a sample device for testing before commencement of development.	Available ports- 2G/3G SIM Support, USB Port, Mini or Micro USB with USB converter OS version-6.0.1 The Department can provide successful bidder with sample device for testing before commencement of development
11	37	7.1 Software design - Technical/programming requirements	Accepting inputs to a wide variety of questions. (Text, number, Auto date and time, drop down, single select, multiple select, picture, Audio, Video, GPS, barcode, QR code, signature by hand/stylus on a touch screen etc.)	1) What kind input will be gathered using GPS bar code/QR code? What is purpose of this feature requirement in this survey data input?  2) From where does the Barcode Reader reads the data related to a Bar Code. Is there a need for integration with the Application with Bar Code Database	1) <i>GPS will be used to capture location data, bar code/QR code will be used to link other data such as blood samples to the main survey</i>  2) <i>Bar code will be provided by the Department. Software should have the capability to scan the code. Yes, a bar code scan feature is required</i>

12	37	7.1 Software design - User interface/Display	iv. Switch between English and local font (Tamil, Telugu, etc as required in the survey form) mid-way through the survey	<p>Switch Between English and Local Languages (Tamil, Telugu etc). Please specify the list of local languages to be included. Will the local language content provided by the department</p> <p>2) Is there a need for Multi Lingual – English, Tamil &amp; Telugu Unicode/Translate Input?</p>	<p><i>Surveys should be programmed in English and Tamil.</i></p> <p><i>The local language content will be provided by the Department.</i></p> <p>2) <i>Yes. Refer above</i></p>
13	37	7.1 Software design - User interface/Display	v. Display the survey in English and local font (Tamil, Telugu, etc as required in the survey form) on the front end but in English on the backend	<p>1) User Input in Local Language or English (Typing Information in Tablet)</p> <p>2) Other language content will be provided by department. Else, in the front end translator will be provided and if translator is provided then it won't be accurate meaningful line. And the online translator will not work in offline</p>	<p>1) <i>User input in English and Tamil</i></p> <p>2) <i>The local language content will be provided by the Department</i></p>

14	38	7.1 Software design - Technical/programming requirements	viii. Display the survey in English and Tamil on the front end but in English on the backend	Content other than English language will be provided by Department?	<i>All language content will be provided by the Department</i>
15	39	7.2 Data Collection and Storage	Data output - Data can be exported in other popular readable and editable formats	Other Popular Readable and Editable Formats Please mention the formats	<i>Survey data should be downloadable in excel or csv format</i>
16	39	7.1 Software design -	Incorporating a survey design tool into the data collection platform, which can be used by non-technicians to independently edit digital surveys if required and to eventually, once the duration of this contract has expired, continue programming activities in-house	Conform that only the functionalities/design used during implementation & which is live for this entire contract period can be useful later on! Also conform developer will provide training for using this survey application like posting, deleting, editing, creating and no programming training will be given.	<i>Yes the live design will be used in the future.</i>  <i>Developer should give training to Department officials on the entire framework of creating, editing surveys, publishing the surveys to mobile, use the app in the mobile interface, view reports in the dash board, etc. Programming training may be given to department on need basis.</i>
17	39	7.2 Data Collection and Storage	Transmit data from mobile device to a central sever via GPRS/phone connectivity	For “Phone/Tab (provided by department) connectivity” conform that is only can be used for export or import data	<i>During the connectivity available, the new schemes will be pushed to the device from the server and as well surveyed data from the mobile device will have to</i>

				<p>file formats CSV or EXCEL files type which was already downloaded from a mobile device or web database!</p> <p><i>Data will be exported to central database when device is online and survey QA is completed.</i></p>	<i>be synchronized with the server back.</i>
18	40	7.3 Training and Capacity building - 2. Quality Control Measures -	2.1. Programming: i. Developing quality control measures to ensure: a. Questions are copied correctly from paper to digital	Is it OCR conversion method (whether input data should read from a paper text?)	<i>This should be left to the developers to decide- as long as questions and skips patterns are exactly followed</i>
19	41	3. Timelines and Deliverables	Design and Development including Survey Form creation - D+30	<p>1) There is no milestone for SRS signoff. Development can start only after this step Also 30 calendar days development time looks highly impractical. 60 business days or 90 calendar days would be realistic.</p> <p>2) Conform that given timeline days are not included leave days and government holidays since it may not possible</p>	<p>As the input is readily available, it is possible to complete.</p> <p>2) Yes</p>

				for communicating to client.  3) For VAPT minimum of 30days with an additional 15 days for Security Audit corrections to be effected, Can the timeline be extended?	3) clause remains unchanged
20	44	7.11 Annual Technical Support	A free warranty shall be covered for one year from the date of Successful Rollout i.e., after project Go-Live.	Conform in that free warranty support period there will be no change in the functional part or design part!	Yes
21		General		Is any Active Directory integration needed for User Authentication and Login?	For Authentication into portal both LDAP as well as custom registration login shall be done. Both authentication mechanism shall be configurable as and when needed
22		3. Eligibility Criteria - 3.2 Pre-qualification	The bidder should have an average annual turnover of at least Rs. 1 Crore (or) more for the last three audited Financial years for entities falling under criteria 1.I, and Rs. 50 lakh for entities falling under criteria 1.II	Is there any relaxation for companies registered under Startup India as recognised by DIPP / or for companies with MSME registration for the purpose of this procurement? This is with respect to relaxation	Refer Amended Pre Qualification and Technical Evaluation Criteria

		5.5 Tender Evaluation 5.5.2.3 Stage – 2: Technical Bid Evaluation		of condition for* a) number of years in existence* and *b) the required average turnover* for such companies as clarified by the Ministry of Finance in their circular - ( <a href="http://doe.gov.in/sites/default/files/Relax_Starup_20092016_0.pdf">http://doe.gov.in/sites/default/files/Relax_Starup_20092016_0.pdf</a> )	
23	47	8.3 Security	The architecture should provide an end to end security model that protects data. Unauthorized access to the application, database, servers and network should be prevented. System should incorporate Audit trail system. Any sensitive information should not be captured/printed in log, console.	Any additional/specific Security Tools has to be designed or incorporated at the time of deployment?	OS Hardening SSL OWASP Compliance
24	49	8.9 Exit Clause	a) At the time of expiry of the contract period, as per the contract between the parties, the Developer should ensure a complete knowledge transfer by their deployed professionals to the new professionals replacing them within a period of 4 weeks.	<i>Before ending the contract period we can provide KT as per contract timeline.</i> After contract period if KT required then this will be added in our quotation in the optional components.	Yes

25	48	8.7 Intellectual Property Rights (IPR)	The ownership and IPR of the deliverables made under this Contract would always rest with Department/ELCOT. The ownership and IPR of the Proprietary tools and/or other tools used by the Developer or third party or parties for the purpose of making the deliverables would always rest with the respective parties. The Developer shall disclose such tools to be used under this Contract to ELCOT.	The proprietary SocialCops data collection product Collect will be used to create the web survey portal, and the Intellectual Property and ownership of this product rests with SocialCops. To comply with clause 8.7 of the "Technical Details" section and Clause 10 of the "Contract Draft" section, SocialCops will grant a perpetual license (i.e. a license which will run in perpetuity) to use the product. Please clarify if this is fine.	All clause related to software ownership and Proprietorship remains unchanged
26				Collect is a ready to use data collection product that follows a continuous software development cycle. Certain requirements that are not currently available as per the tender will be prioritized in the product roadmap and released over a period of time with upgrades & updates.	All clause related to software ownership and Proprietorship remains unchanged

				Given the terms of the procurement, is ELCOT open to this option or are they looking for a vendor to develop a survey portal from scratch	
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### Amended Pre Qualification Criteria

#### 3.2 Pre-qualification

Firms who have the following qualifications may submit the proposal along with necessary proof:

No.	Qualification Criteria	Document Proof to be Submitted
1	<p>The bidder should be eligible in any one of the following legal entity in India:</p> <p><b>1.I. Companies / software firms which are organized as:</b></p> <p>(a) Society / Trust under the relevant Acts</p> <p>(b) LLP / LLCs / Companies under the relevant Acts</p> <p>In existence for five years as on date of submitting its application</p> <p><b>1.II. Public or private research and data centres hosted by University / Deemed to be a University / College / Institute which is</b></p> <p>(a) Set up under an Act of Parliament or an Act of a</p>	<p>1.1 Copy of the Certificate of Incorporation.</p> <p>1.2 Registration certificate issued by the relevant statutory authority should be submitted.</p>

	<p>State Legislature</p> <p>(b) Constituted as a Society / Trust under the relevant Acts and is recognized by UGC / AICTE / MCI / ICSSR.</p> <p>In existence for Seven years as on date of submitting its application.</p> <p><b>1.III. Companies / software firms which are organized as:</b></p> <p>(a) Society / Trust under the relevant Acts</p> <p>(b) LLP / LLCs / Companies under the relevant Acts</p> <p>In existence for less than five years as on date of submitting its application</p>	
2	<p>The bidder should have an average annual turnover of at least Rs. 1 Crore (or) more for the last three audited Financial years for entities falling under criteria 1.I,</p> <p>and Rs. 50 lakh for entities falling under criteria 1.II</p> <p>and the latest balance sheet of the bidder should reflect at least Rs. 1.25 Crore for entities falling under criteria 1.III</p>	<p>Audited Annual Financial Statements and Annual Report/ Certified statement from the current Statutory Auditors of the bidder should be submitted.</p>
3	<p>The bidder should be in the field of providing Software Solutions for more than 3 years for entities falling under criteria 1.I or 5 years For entities falling under</p>	<p>Copy of the work order obtained from the customer or agreement signed for Software development and application.</p>

	<p>criteria 1.II and should have successfully implemented at least one Work order which includes:</p> <p>Software development, implementation, (Integrated web based/android application), maintenance support and training &amp; capacity building of web, mobile based applications.</p> <p><b><u>For entities falling under criteria 1.III</u></b></p> <p>The bidder should be in the field of providing software solutions and should have implemented at least 2 work orders which includes: Software development, implementation, (Integrated web based/android application), maintenance support and training &amp; capacity building of web, mobile based applications. The minimum value of each of these orders should be Rs. 20 Lakh (per order)</p>	
4	<p>The bidder should have a local presence anywhere in Tamil Nadu (Or) Necessary undertaking letter to be submitted for opening the office.</p>	<p>Copy of landline Bills paid for the past 3 months or Copy of the rent agreement signed and it is to be currently valid (or) Submit undertaking letter to establish an office on receipt of LOA</p>
5	<p>The Bidder shall not be under a Declaration of Ineligibility for blacklisted with any of the Government agencies in the State of Tamil Nadu.</p>	<p>Self-Certification from the authorized signatory for submission of the bid</p> <p>PQ Form 4: Declaration format for not being</p>

		blacklisted (PQ-4) to be filled up								
6	<p><b><u>For entities falling under criteria 1.III</u></b></p> <p>Firm should meet the following minimum staff requirement:</p> <table border="1"> <thead> <tr> <th>Team Member</th> <th>Minimum Number</th> </tr> </thead> <tbody> <tr> <td>Project Managers</td> <td>2</td> </tr> <tr> <td>Developers</td> <td>8</td> </tr> <tr> <td>Testers</td> <td>4</td> </tr> </tbody> </table>	Team Member	Minimum Number	Project Managers	2	Developers	8	Testers	4	Detailed CV and Tech Form 9 in Annexure 3 should be filled up for each resource in each category and submitted
Team Member	Minimum Number									
Project Managers	2									
Developers	8									
Testers	4									

Only proposals of firms determined to be qualified will be considered for technical and financial evaluation. The technical and price envelopes of others will not be considered and unopened after completing the selection process.

### **Amended: 5.5.2.3 Stage – 2: Technical Bid Evaluation**

The Technical Bid Evaluation will be conducted on the compliance of the Bids with eligibility criteria requirements specified in the Tender. The Bids will be held non-responsive and rejected if the Bids do not establish the eligibility of the Bidders.

### **Evaluation Criteria**

No.	Criteria	Description	Max points	Supporting documents														
<b>1</b>	<b>Experience &amp; Capability of the bidder</b>																	
A1	Average Turnover and CMMi level	<p><b>Average Turnover</b></p> <table border="1" data-bbox="810 475 1241 898"> <thead> <tr> <th>Criteria</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>&lt;= Rs. 0.5 Crores</td> <td>1</td> </tr> <tr> <td>&gt; Rs. 0.5 Cr to less than or equal to 1 Cr</td> <td>2</td> </tr> <tr> <td>&gt; Rs. 1 Cr</td> <td>3</td> </tr> </tbody> </table> <p><b>CMMi Level</b></p> <table border="1" data-bbox="810 951 1241 1190"> <thead> <tr> <th>Criteria</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>1 or 2</td> <td>2</td> </tr> <tr> <td>3 or more</td> <td>3</td> </tr> </tbody> </table>	Criteria	Score	<= Rs. 0.5 Crores	1	> Rs. 0.5 Cr to less than or equal to 1 Cr	2	> Rs. 1 Cr	3	Criteria	Score	1 or 2	2	3 or more	3	3       3	<p>Copy of the audited financial statement and Copy of the valid certificate</p> <p>Tech Form 4 and Tech Form 5 in Annexure 3 should filled and submitted</p>
Criteria	Score																	
<= Rs. 0.5 Crores	1																	
> Rs. 0.5 Cr to less than or equal to 1 Cr	2																	
> Rs. 1 Cr	3																	
Criteria	Score																	
1 or 2	2																	
3 or more	3																	
A2	Number of projects and value of projects successfully implemented related to developing a web-based application with mobile	<p><b>Weightage for each project:</b></p> <table border="1" data-bbox="793 1312 1257 1474"> <thead> <tr> <th>Criteria</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>2 projects of value</td> <td>8</td> </tr> </tbody> </table>	Criteria	Score	2 projects of value	8	20	<p>Copy of the work orders/any testimonials by Competent officer of Customer</p> <p>For completed assignments : Clients Completion</p>										
Criteria	Score																	
2 projects of value	8																	

	app interface in in India in open source. Involving complete SDLC cycle, development, functional testing, certified by TPA operational and maintenance support	<table border="1"> <tr> <td data-bbox="793 102 1108 313">&gt;= 20 lakhs each ( 1 Project = 4 Marks )</td> <td data-bbox="1108 102 1255 313"></td> </tr> <tr> <td data-bbox="793 313 1108 553">Additional projects of value &gt;= 10 lakhs</td> <td data-bbox="1108 313 1255 553">2 for each project, max 12</td> </tr> </table>	>= 20 lakhs each ( 1 Project = 4 Marks )		Additional projects of value >= 10 lakhs	2 for each project, max 12		<p>certificate / Proof of Final Payment received from the client</p> <p>For on-going assignments: Letter of Intent / Letter of Award / Agreement copy</p> <p>Tech Form 6 in Annexure 3 should filled and submitted</p>		
>= 20 lakhs each ( 1 Project = 4 Marks )										
Additional projects of value >= 10 lakhs	2 for each project, max 12									
A3	Successfully implemented at least 3 similar projects Government departments/PSUs or private entities in India in open source involving survey templates/digital data collection tools, mobile applications and maintenance support.	<p><b>Weightage for <u>each</u> project:</b></p> <table border="1"> <thead> <tr> <th data-bbox="808 646 1123 727">Criteria</th> <th data-bbox="1123 646 1241 727">Score</th> </tr> </thead> <tbody> <tr> <td data-bbox="808 727 1123 857">Implemented with Govt. Dept.</td> <td data-bbox="1123 727 1241 857">8</td> </tr> <tr> <td data-bbox="808 857 1123 987">Implemented with Private entity</td> <td data-bbox="1123 857 1241 987">6</td> </tr> </tbody> </table>	Criteria	Score	Implemented with Govt. Dept.	8	Implemented with Private entity	6	24	<p>Copy of the work orders/any testimonials by Competent officer of Customer/</p> <p>For completed assignments : Clients Completion certificate / Proof of Final Payment received from the client</p> <p>For on-going assignments: Letter of Intent / Letter of Award / Agreement copy</p> <p>Tech Form 7 in Annexure 3 should filled and submitted</p>
Criteria	Score									
Implemented with Govt. Dept.	8									
Implemented with Private entity	6									
2	<b>Adequacy and Quality of Resources proposed for Deployment</b>									

A4	<p>Team proposed by Bidder</p> <p>In case of, Research center, it should be having independent non-faculty staff positions</p>	<p><b>Weightage for relevant experience of professionals:</b></p> <table border="1" data-bbox="741 224 1304 704"> <thead> <tr> <th data-bbox="741 224 961 358">Team member</th> <th data-bbox="961 224 1304 358">Score (No.of Professionals*score)</th> </tr> </thead> <tbody> <tr> <td data-bbox="741 358 961 493">Project manager</td> <td data-bbox="961 358 1304 493">1*4</td> </tr> <tr> <td data-bbox="741 493 961 628">Developer/ programmer</td> <td data-bbox="961 493 1304 628">5x2</td> </tr> <tr> <td data-bbox="741 628 961 704">Tester</td> <td data-bbox="961 628 1304 704">3x2</td> </tr> </tbody> </table>	Team member	Score (No.of Professionals*score)	Project manager	1*4	Developer/ programmer	5x2	Tester	3x2	20	<p>Detailed CV of the one resource in each category and five CV 's in Programmer Category (Total- 9 Nos)</p> <p>For Research Centre, Authorization letter should indicate their non-faculty positions.</p> <p>Tech Form 8 and Tech Form 9 in Annexure 3 should filled and submitted</p>
Team member	Score (No.of Professionals*score)											
Project manager	1*4											
Developer/ programmer	5x2											
Tester	3x2											
<b>3</b>	<b>Work plan for this Tender scope of work</b>											
A5	Work plan for assignment	<p>Bidders are required to submit a work plan with timelines for creating a web-based common survey management portal and android based digital data collection application, based on test case and survey instruments given in Form 10 in Annexure 3. The work plan should clearly highlight the bidders'</p>	10	<p>Detailed work plan in accordance with guidelines submitted in Form 10 in Annexure 3</p>								

		understanding of the current requirements		
<b>Bidders scoring 60 marks and above on A1 to A5 only will be invited for A6.</b>				
<b>4</b>	<b>Demonstration of Technical Solution proposed for this Project by the bidder</b>			
A6	Demonstration of the proposed technical approach, solution structure, and prototype	Bidders are required to create a prototype of a web-based common survey management portal and a digital data collection tool for a mock survey provided in Form 10 in Annexure 3	20	Demonstration in front of the Technical Committee, following instructions in Form 10 in Annexure 3
	<b>TOTAL</b>		<b>100</b>	

The Bidders who score 70 marks or more will be selected as technically qualified bidders. If sufficient bidders are not qualified then top 2 scoring bidders will be selected and they will be eligible for next level of processing.

Bidders Signature and Seal