



PSEB R-APDRP-RFP Pre-Bid Conference



17-Aug-2009

Agenda



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Background



About PSEB



- The Punjab State Electricity Board (PSEB) is a statutory body formed on 1-2-1959 under the Electricity Supply Act.1948.
- Subsequently with the re-organization of the erstwhile State of Punjab under the Punjab Re-organization Act 1966 the present form came into existence w.e.f. 1st May, 1967.
- Starting with the modest installed capacity of 62 MW, the PSEB has grown by leaps and bounds with generating capacity 6609 MW as on 31-3-2008.
- PSEB is proud of serving more than 64.3 lacs consumers comprising of approximate 52.79 lakhs General, 1.11 lakhs Industrial, 9.81 lakhs Agricultural connections.
- Total No of Employees at PSEB:64500



Project Background



- ü Ministry of Power, Govt. of India, has launched the [Restructured Accelerated Power Development and Reforms Programme \(R-APDRP\)](#)
- ü The R-APDRP primarily aims
 - [Reducing Aggregate Technical and Commercial \(AT&C\) losses](#) in urban areas
 - [Bring about commercial viability](#)
 - [Reduce outages & interruptions](#)
 - [Increase consumer satisfaction](#)
- ü The R-APDRP program [covers urban areas](#) – towns and cities with population of more than 30,000 (10,000 incase of special category states)



Scope of Work



Part 1:R-APDRP Project Areas

- 47 Towns / Project Areas are entitled under R-APDRP Project
- Implementation – Within 18 months

Part II: Non R-APDRP Project Areas

Phase 1: All Modules except GIS. As part of AMR module, only GPRS modems for HT consumers are be considered.

Implementation – Within 18 months

Phase 2(Optional): DGPS survey, GIS system and Integration of AMR system (DT Meters only)

Implementation – After the Implementation of Phase 1 and RAPDRP project



Snapshot



Details	R-APDRP	Non R-APDRP	Total
Area (sq Km)	5496	44866	50352
Total Length of LT lines (km)	9491	165124	174615
Consumers	1975024	4455968	6430992
Underground Lines (Km)	0	0	0
Total Length of HT lines(km) for (66KV and 33 KV)	814	6517.645	7331.645
Total Substations	163	501	664
Total DT's	27955	246682	274637



Snapshot



- Data Center – Patiala
- Disaster Recovery Center – Jalandhar
- Centralized Customer Care Center – Patiala/Ludhiana**

****(Will be confirmed during the Implementation Phase)





IT Initiatives at PSEB



IT Initiatives



S.No	Application	IT Initiative	Integrate/Sunset
1	Billing:	The legacy billing system developed & maintained by M/s DOECC is based on COBOL and UNIX Operating System which is in operation.	Data Migration
2	AMR	PSEB has implemented the GPRS based AMR System for Central Energy Accounting and Audit (EAA) and generation of related MIS reports for AP feeders through M/s Eason Reyrolle, Bangalore.	Integrate
3	Customer Care System	PSEB has undertaken setting up of Customer Care and call centre on a pilot basis at Ludhiana and Bathinda cities. As part of this pilot project, power outage complaints will be handled by the call centre	Integrate
4	WAN	Existing WAN system is operational only Ludhiana town, which will be used till the ITIA WAN is set up. The existing MPLS/VPN/WAN is being provided by M/s PGCIL. However, PSEB does not own any WAN infrastructure set up in Punjab.	Sunset
5	PSEB Website	The existing website should be replaced by the new one and it should integrate the available the existing features.	Sunset
6	Inventory Management:	M/s DOAECC is maintaining the inventory management application in offline mode for COS stores.	Data Migration



Clarifications



Clarifications



	Clarifications
General	<p>All modules specified in the SRS are in the scope of the project.</p> <p>The queries regarding change in specifications of hardware, software, etc, have not been considered as the utilities are not empowered by PFC to change the same.</p> <p>The suggestions about change in the SRS and its amendment have not been considered as the utilities are not empowered by PFC to change the same.</p> <p>The queries regarding commercial terms & conditions have not been considered as the utilities are not empowered by PFC to change the same.</p> <p>All the functionalities given in the SRS document and its amendment will be complied with, except those which have been modified in the RFP and its corrigendum.</p>

Clarifications



	Clarifications
Current Infrastructure	<p>PSEB currently does not have any Data center as well as any Finance (IT) module. System proposed by the bidder should have capability to be integrate with future ERP application like Finance and HR.</p> <p>All RAPDRP Towns are Urban and the locations covered in non RAPDRP areas are Urban, Semi Urban and rural areas.</p> <p>Responsibility for integration of existing legacy system rests with SI.</p> <p>Responsibility for up-gradation or integration of existing hardware rests with SI. Maintenance of existing hardware and software will lie with existing vendor.</p> <p>Specification of existing AMR compatible meters will specified in the Corrigendum document. The majority of meters are presently installed at S/S are L&T and Secure make.</p>

Clarifications



	Clarifications
Proposal	<p>Bidders need to score a minimum score of xx out of 50 in the technical evaluation; else the bid shall be termed as non-responsive and will not be evaluated further.</p> <p>The unit prices mentioned for various components should be the same for all Project Areas including NON RAPDRP AREAS.</p> <p>Revised Bid form will be provided as part of the Corrigendum.</p> <ul style="list-style-type: none">- The provision of providing SIM CARD and connectivity for GPRS modem.- Section of Bandwidth charges for other offices.- Single format for filling the DGPS survey cost.- Extra cost of enterprise wide license for latest MS Office (both standard and Professional separately) <p>The connectivity charges are for three years and should be provided in the bid. However, the bandwidth charges will be payable (on actual basis) after the Go-Live of the complete system.</p>



Clarifications



	Clarifications
Proposal	<p>The vendor has to compulsorily quote for Part-I(RAPDRP) & Part-II (Non APDRP) Phase I and Phase II separately.</p> <p>The vendor has submit a single technical bid which will be applicable for Part-I(RAPDRP) & Part-II (Non APDRP).</p> <p>The evaluation of technical offer for both the parts will be done as per the guidelines and criteria given in Part-I.</p> <p>Financial evaluation will be done only based on Part-I(RAPDRP) & Part-II (Non APDRP)-Phase 1 on cumulative basis.</p> <p>Bid security will be in form of Bank guarantee as per the format specified in Section V.</p>

Clarifications



	Clarifications
Technical Queries	<p>PSEB requires an enterprise wide license (including emerging entities if any) for all applications.</p> <p>While designing the system, the system shall be designed independent of number of users using the system. The system should comply and maintain the SLAs defined in SRS document and the scalability factors given below.</p> <ul style="list-style-type: none">• The Consumer base may increase at the rate of 10 % per annum upto end of 5 years from the date of • Go Live.• The Electrical asset base may increase at the rate of 7.5 % per annum on the base data provided• For email and messaging solution the no of client based PSEB users are 5000 and webmail freeware clients are approx 12,000. E-mail users may increase at the rate of 10 % per annum upto the end of 5 years from date of • Go-Live.

Clarifications



	Clarifications
Technical Queries	<p>Meter Data Acquisition server is envisaged at the Circle office locations(20)/DC/DR in PSEB.</p> <p>Database Server should be capable of minimum TPMC (Transactions Per Minute, Type c) rating of 800,000 for fully populated configuration. OEM should certify on its letterhead the estimated benchmark, in case it is not published.</p> <p>Application Servers should be capable of minimum SPEC Jbb 2005 rating of 600,000 bops (business operations per second) for fully populated configuration. OEM should certify on its letterhead the estimated benchmark, in case it is not published.</p> <p>All servers should be UL, FCC certificated and should have certification for supplied OS. It is in line with SRS item 24 on Pg 42 section G3.</p>



Clarifications



	Clarifications
Technical Queries	<p>The number and capacity of Data links at DC & DR centre will be designed by the bidder and will be submitted in the technical bid.</p> <p>For Data Migration, the volume of data is in accordance with the number of consumers as defined in the RFP.</p> <p>In some cases, there may be more than one office in same premises which may fall in SDO/other office. The quantity of router, switches given in the RFP is without this consideration. At the time of implementation the quantities to be finalized by SI based on field survey.</p> <p>In case of DC/ DR, critical load UPS and service load UPS capacity will be decided by bidder based on the solution proposed.</p> <p>UPS and LAN structured cabling will be provided by SI.</p>



Clarifications



	Clarifications
Technical Queries	<p>Following amendments in specification of Tape Library –</p> <p>The tape library shall support at least 44 drives and 1000 slots instead of 100 drives and 5000 slots as mentioned in the SRS</p> <p>The media shall have a minimum uncompressed capacity of 800 GB and 1.6TB compressed instead of minimum uncompressed capacity of 400 GB and 800 GB compressed as mentioned in the SRS.</p> <p>The connectivity at Data centre is to be taken from different ISPs. For the rest of the offices there is no restrictions of different ISP</p>

Clarifications



	Clarifications
Modifications	<p>ITIA vendor has to establish a central project office at its own cost at Patiala.</p> <p>“Any other levies” under Section D3 RFP(Pg126) include Works Contract tax @ 4% as applicable in Punjab. This should be included in the Quote and indicated separately.</p> <p>Besides the specification of the Desktop/workstation given in the RFP, it is added that the Processor offered for the desktop will be Core 2 Duo or higher. 1 No DVD ROM should be provided in the desktop.</p> <p>The pilot area in case of PSEB will be Patiala city</p>





Timelines



Timelines



S. No.	Milestone	Due Date
1	Release of RFP	30/07
2	Pre-Bid Conference	17/08
3	Tentative date for release of Corrigendum for RFP	21/08
4	Deadline for submission of response	28/08 11:00
5	RFP Opening (Technical Bid)	28/08 12:30
7	RFP Opening (Price Bid)	TBA
8	Selection of ITIA Vendor	30/09
9	Implementation Part 1 and Part II Phase 1	From 30/09 within 18 Months
10	Implementation of Part II Phase II	18 Months onwards





Thank You