SINDH EMPLOYEES' SOCIAL SECURITY INSTITUTION
(HEAD OFFICE)

NOTIFICATION

No.SS-Admn/Procu./2015-   With the approval of Competent Authority, a Committee is constituted in this office for computerization / automation of SESSI by reputed / established firms/suppliers/contractors. The composition and TOR's of the Committee is given as under:-

COMPOSITION

1.	Vice Commissioner, SESSI	Chairman
2.	Medical Adviser, SESSI	Member
3.	Joint Director Labour Department	Member
4.	Director Administration, SESSI	Member/Secretary
5.	Deputy Director, I.T. Board of Revenue, Government of Sindh.	Member

TOR'S

1. To examine and evaluate required factors alongwith proposals of automation of SESSI office submitted from reputed / established firms/suppliers/contractors for prequalification.

2. To examine technical and financial proposals.

3. To open proposals in presence of reputed / established firms/suppliers/contractors on the day and date fixed by SESSI office.

4. To examine and evaluate relevant experience and past performance.

5. To examine and evaluate capablilities with respect to personal equipment and plant etc.

6. To examine and evaluate financial position.

7. To examine and evaluate appropriate managerial capablity.

8. To examine all the required documents / bids for establishment of computerization / automation of SESSI office and submit their recommendation to competent authority for procurement.

9. Any other factor that a procuring agency may deem relevant,not inconsistant with the rules.

(MUHAMMAD FAROOQ LEGHARI)
COMMISSIONER

No. SS-Admn/Procu./2015-   Karachi, dated 12-2-2015

Copy is forwarded for information and necessary action to the:-

1. Directors, Finance/Audit/Accounts/IP&CD, SESSI, Head Office.
2. All Members
3. P.S. to Commissioner, SESSI, Head Office.
4. P.A. to Vice Commissioner, SESSI, Head Office.

DEPUTY DIRECTOR (ADMN)

SINDH EMPLOYEE'S SOCIAL SECURITY INSTITUTION
ST-17, Block-6, Gulshan-e-Iqbal, Karachi. ☎ _____.

TENDER NOTICE

The Sindh Employee's Social Security Institution Invited sealed Bids from reputed/established firms/suppliers/contractors, registered with Sales Tax and Income Tax authorities, as per SPPRA Rules for the followings,

Automation of SESSI	The Complete detail and specifications are as per Tender Documents.
Bid Security in the form of PO/DD:	2% of total bid value
Tender Document Collection (Start Date):	Publication/Hoisting of notice.
Tender Document Collection (End Date):	30-03-2015
Tender Document Submission Date & Time:	31-03-2015 up till 2:00 P.M
Tender (Technical) Opening Date & Time	31-03-2015 at 2:30 P.M

1. The intending participants can purchase the set of tender documents from undersigned against payment of tender fee of Rs.2, 000 (Non-Refundable) from the date of publication of this tender up to 30-03-2015 during office hours, from **Head Office, Sindh Employees' Social Security Institution, ST-17, Block-6, Gulshan-e-Iqbal, Karachi.**

2. The bid shall comprise a single package two separate envelops inside. Each as per SPPRA RULES 2010 Section 46(2), envelop shall contain separately the **"FINANCIAL PROPOSAL"** and **"TECHNICAL PROPOSAL".**

3. Tender shall be received back on closing date of the tender i.e.31-03-2015 up to **2.00 pm** and shall be opened on the same day at **2.30 pm** in presence of bidders or their authorized representative who wish to attend and in presence of Procurement committee as per SPPRA RULES 2010 Section 41(3)".

4. On schedule date of bid opening, only envelops of **"TECHNICAL PROPOSAL"** will be opened and envelops marked **"FINANCIAL PROPOSAL"** will be retained in the safe custody as per SPPRA RULES 2010 Section 46(2).

5. After Technical Evaluation, envelops of **"FINANCIAL PROPOSAL"** of technically **qualified** bidders will be opened with prior intimation to successful bidder(s). The **FINANCIAL PROPOSAL** of bids found technically non-conforming will be returned unopened to the respective bidder, as per SPPRA RULES 2010 Section 46(2).

6. Eligibility Conditions as per SPPRA RULES 2010 Section 46(2), for tender participants are as under:-
   a. Registration with Income Tax Department (NTN) Certificate.
   b. Registration with Sales Tax Department (GST) Certificate.

7. The Bidder should submit undertaking on Affidavit that the company is not involved in any litigation or abandoned any *work/contract* in any department.

8. The Bidder should submit Bid Security @ 2% *of the total quoted bid amount* in shape of Call Deposit/ Pay Order / Demand Draft prepared from any schedule bank in favor of *Sindh Employees' Social Security Institution* which shall remain valid for a period of 28 days beyond the validity period of the bid. Bid security will be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.

9. The *Procuring Agency* reserves the right to enhance / reduce the quantity without assigning any reason as per SPPRA RULES 2010 Section 16(e)(i).

10. The procuring agency shall announce the results of bid evaluation in the form of a report, giving justification for acceptance of a bid or proposal, subject to the relevant provision of SPPRA RULES Section 45.

11. This tender can also be seen in the website of SPPRA i.e. www.pprasindh.gov.pk *and procuring agency's website* i.e. www.sessi.gov.pk.

12. For further details, information or clarification please contact the undersigned during office hours.

DIRECTOR ADMINISTRATION
FOR COMMISSIONER

بند کیجیے ⊗ پرنٹ کیجیے ⊟ اپنے احباب کوای میل کیجیے ✉

جنگ

Date of Publication
11 . 3 . 2015

f Share

سندھ ایمپلائرز سوشل سیکورٹی انسٹی ٹیوشن

ST-17، بلاک 6،گلشن اقبال راشد منہاس روڈ کراچی ،فون: 021-99243347

ٹینڈر نوٹس

سندھ ایمپلائرز سوشل سیکورٹی انسٹی ٹیوشن کواسیس پی پی آرا ے رولز کے مطابق معرف/ مستحکم فرمز/ سپلائرز/ کنٹریکٹرز سے جو سیلز ٹیکس اور انکم ٹیکس محکمہ جات میں رجسٹرڈ ہوں، درج ذیل کاموں کیلئے سر بمہر پیشکشیں مطلوب ہیں۔

مکمل تفصیلات اور تصریحات بمطابق ٹینڈر دستاویزات	SESSI کی آٹومیشن
بذ سیکورٹی بشکل پے آرڈر/ڈیمانڈ ڈرافٹ پیشکش کی کل مالیت کا 2%	بذ سیکورٹی بشکل پے آرڈر/ڈیمانڈ ڈرافٹ
نوٹس ہذا کی اشاعت/ہوسٹنگ	ٹینڈر دستاویزات کا حصول (تاریخ شروعات)
30-03-2015	ٹینڈر دستاویزات کا حصول (تاریخ اختتام)
31-03-2015 سہ پہر 2-00 بجے تک	ٹینڈر دستاویزات جمع کرانا تاریخ اور وقت
31-03-2015 سہ پہر 2-30 بجے تک	ٹینڈر (ٹیکنیکل) کھولنا تاریخ اور وقت

1- شرکت کے خواہشمند ٹینڈر دستاویزات کا سیٹ زیر دستخطی سے مبلغ -/2000 روپے (ناقابل واپسی) کی ٹینڈر فیس کی ادائیگی پر ٹینڈر ہذا کی اشاعت کی تاریخ سے 30-03-2015 تک دوران دفتری اوقات واقع ہیڈ آفس سندھ ایمپلائرز سوشل سیکورٹی انسٹی ٹیوشن ،ST-17 بلاک-6 گلشن اقبال کراچی سے حاصل کرسکتے ہیں۔

2- پیشکشیں دو جداگانہ لفافوں پر مشتمل واحد پیکج پر مشتمل ہوں گی۔ایس پی پی آرا ے رولز 2010 کی دفعہ 46(2) کے مطابق ہر لفافہ جداگانہ طور پر''فنانشل پروپوزلز'' اور ''ٹیکنیکل پروپوزلز'' پر مشتمل ہوگا۔

3- ٹینڈر اختتامی تاریخ یعنی 31-03-2015 کو سہ پہر 2-00 بجے تک واپس وصول کئے اور اسی روز سہ پہر 2-30 بجے موقع پر حاضری کے خواہشمند پیشکش دہندگان یا مجاز نمائندوں اور

ایس پی پی آر اے رولز 2010 کی دفعہ (3)41 کی تفصیل میں پروکیورمنٹ کمیٹی کی موجودگی میں کھولے جائیں گے۔

4- کھولنے کی مقررہ تاریخ پر صرف "ٹیکنیکل پروپوزلز" کھولی جائیں گی اور "فنانشل پروپوزلز" کے نشان زد لفافے ایس پی پی آر اے رولز 2010 کی دفعہ (2)46 کے مطابق حفاظتی تحویل میں علیحدہ سے رکھے جائینگے۔

5- ٹیکنیکی طور پر کوالیفائیڈ پیشکش دہندگان کی فنانشل پروپوزلز کے لفافے ٹیکنیکل ایویلیوایشن کے بعد کھولے جائیں گے۔ جس کی اطلاع کامیاب پیشکش دہندگان کو قبل از وقت دی جائے گی۔ ٹیکنیکی طور پر عدم مطابقت والی پیشکشوں کی فنانشل پروپوزلز ایس پی پی آر اے رولز 2010 کی دفعہ (2)46 کے مطابق متعلقہ پیشکش دہندگان کو کھولے بغیر واپس کردی جائیں گی۔

6- ایس پی پی آر اے رولز 2010 کی دفعہ (2)46 کے مطابق ٹینڈر میں شرکت کی اہلیتی شرائط درج ذیل ہیں۔
(اے) انکم ٹیکس ڈیپارٹمنٹ میں رجسٹریشن (این ٹی این سرٹیفکیٹ)
(بی) سیلز ٹیکس ڈیپارٹمنٹ میں رجسٹریشن (جی ایس ٹی سرٹیفکیٹ)

7- پیشکش دہندہ کو لیگل ڈیوٹی پر حلف نامہ جمع کرانا ہوگا کہ کمپنی کسی مقدمہ بازی میں ملوث نہیں یا کسی ڈیپارٹمنٹ میں اس نے کوئی کام/کنٹریکٹ ادھورا نہیں چھوڑا ہے۔

8- پیشکش دہندہ کو پیشکش کی کل مالیت کی 2% بڈ سیکورٹی بشکل کال ڈیپازٹ/پے آرڈر/ڈیمانڈ ڈرافٹ جاری کردہ کسی شیڈولڈ بینک بحق سندھ ایمپلائز سوشل سیکورٹی انسٹیٹیوشن جمع کرانی ہوگی جسے پیشکش کے مؤثر رہنے کی میعاد سے 28 دن بعد تک مؤثر رہنا چاہئے۔ ناکام پیشکش دہندگان کو بڈ سیکورٹی کامیابی پیشکش دہندہ کے ساتھ کنٹریکٹ پر دستخط ہونے یا پیشکش کے مؤثر رہنے کی میعاد کے اختتام کے بعد واپس کردی جائے گی۔

9- پروکیورنگ ایجنسی ایس پی پی آر اے رولز 2010 کی دفعہ (i)(e)16 کے مطابق یہ حق محفوظ رکھتی ہے کہ وجہ ظاہر کئے بغیر کوانٹٹی میں اضافہ/کمی کردے۔

10- پروکیورنگ ایجنسی ایس پی پی آر اے رولز 2010 کی دفعہ 45 کے متعلقہ مندرجات سے مشروط بڈ کی ایویلیوایشن کے نتائج کا اعلان رپورٹ کی صورت میں کرے گی۔ جس میں پیشکش کی قبولیت کی وجوہات ظاہر کی جائیں گی۔

11- ٹینڈر ہذا ایس پی پی آر اے کی ویب سائٹ www.pprasindh.gov.pk اور پروکیورنگ ایجنسی کی ویب سائٹ www.sessi.gov.pk پر بھی ملاحظہ کیا جا سکتا ہے۔

12- مزید تفصیلات، معلومات اور وضاحتوں کیلئے زیر تحظی سے دوران دفتری اوقات رابطہ کریں۔

دستخط: **ڈائریکٹر ایڈمنسٹریشن**
برائے کمشنر

(INF/KRY-853/15)

منشیات ۔ خوابوں کو دھواں بنا کر اڑا دیتی ہے

SINDH EMPLOYEES' SOCIAL SECURITY INSTITUTION

ST-17, Block-6, Gulshan-e-Iqbal, Karachi. Ph. 021-99243347

TENDER NOTICE

The Sindh Employees' Social Security institution invites sealed bids from reputed / established firms / suppliers / contractors registered with Sales Tax and Income Tax authorities, as per SPPRA Rules for the following:

Automation of SESSI	The complete detail and specifications are as per Tender Documents
Bid Security in the form of PO/DD	2% of total bid value
Tender Document Collection (Start Date)	Publication/Hoisting of Notice
Tender Document Collection (End Date)	30-03-2015
Tender Document Submission Date & Time	31-03-2015 upto 2:00 P.M.
Tender (Technical) Opening Date & Time	31-03-2015 at 2:30 P.M.

1. The intending participants can purchase the set of tender documents from undersigned against payment of tender fee of Rs. 2,000 (non-refundable) from the date of publication of this tender upto 30-03-2015 during office hours, from Head Office, Sindh Employees' Social Security Institution, ST-17, Block-6, Gulshan-e-Iqbal, Karachi.

2. The bid shall comprise a single package two separate envelopes inside. Each as per SPPRA Rules 2010 Section 46(2). envelope shall contain separately the "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL".

3. Tenders shall be received back on closing date of the tender i.e. 31-03-2015 upto 2:00 pm and shall be opened on the same day at 2:30 pm in presence of bidders or their authorized representatives who wish to attend and in presence of Procurement Committee as per SPPRA Rules 2010 Section 41(3).

4. On schedule date of bid opening, only envelopes of "TECHNICAL PROPOSAL" will be opened and envelopes marked "FINANCIAL PROPOSAL" will be retained in the safe custody as per SPPRA Rules 2010 Section 46(2).

5. After technical Evaluation, envelopes of "FINANCIAL PROPOSAL" of technically qualified bidders will be opened with prior intimation to successful bidder(s). The FINANCIAL PROPOSAL of bids found technically non-conforming will be returned unopened to the respective bidder, as per SPPRA Rules 2010 Section 46(2).

6. Eligibility conditions as per SPPRA Rules 2010 Section 25(2) for tender participants are as under:
   a. Registration with Income Tax Department (NTN) Certificate.
   b. Registration with Sales Tax Department (SRB) Certificate.

7. The bidder should submit undertaking on Stamp paper that the company is not involved in any litigation / blacklisted by any / government in any department.

8. The bidder should submit Bid Security 2% of the total tender bid amount in shape of Call Deposit / Pay Order / Demand Draft prepared from any scheduled Bank in favour of Sindh Employees' Social Security Institution which shall remain valid for a period of 28 days beyond the validity period of the bid. Bid security will be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.

9. The Procuring Agency reserves the right to enhance/reduce the quantity without assigning any reason as per SPPRA Rules 2010 Section 16(a)(i).

10. The Procuring Agency shall announce the results of bid evaluation as per final phase of evaluation, giving justification for acceptance of a bid or proposal subject to the relevant provisions as SPPRA Rules Section 45.

11. This tender can also be seen in the website of SPPRA i.e. www.pprasindh.gov.pk and procuring agency's website i.e. www.sessi.gov.pk

12. For further details, information or clarification please contact the undersigned during office hours.

DIRECTOR ADMINISTRATION
FOR COMMISSIONER

INF-KRY No. 859/15

Drugs Erase Dreams.

TENDER DOCUMENTS

SINDH EMPLOYEES' SOCIAL SECURITY INSTITUTION

GOVERNMENT OF SINDH

AUTOMATION OF SESSI

IMPORTANT NOTICE

This Tender document is not transferable

Bidders are advised to study the tender document carefully. Submission of bid shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications.

The response to this tender should be full and complete in all respects. Incomplete or partial bids shall be rejected. The bidder must quote for all the items asked for in this tender.

The bidder shall bear all costs associated with the preparation and submission of the bid, including cost of presentation for the purposes of clarification of the bid, if so desired by Purchaser. Purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

Key Information Events & Dates

Information/Event	Dates
Tender Documents Collection Date (Start Date)	From the date of Publication/Hoisting of Notice
Tender Documents Collection Date(End Date)	30-03-2015
Earnest money	2% of the total bid (In favor of SESSI Government of Sindh) in the shape of pay order, demand draft, bank guarantee (cheques will not be acceptable) to be submitted with Financial Proposal.
Tender Documents Submission Date and Time	31-03-2015 up till 2:00 P.M
Tender (Technical)Opening Date & Time	31-03-2015 at 2:30 P.M
Language of the bid	This bid should be filed in English language only. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the bidder.
Currency of the BID	PKR
Bid Prices	DDP Karachi
No. of Copies of Technical Proposal	One Hard Copy
No. of Copies of Financial Proposal	One Hard Copy

Purchaser reserves the right to reject the bidder's assertion of compliance to a requirement, if the detailed response is found unsatisfactory or contradictory.

Notwithstanding anything to the contrary in the bidder's detailed response, an assertion of 'Fully compliec' (Y) shall be considered as the bidder's agreement to comply with the requirements of Purchaser as interpreted by Purchaser.

1 INTRODUCTION

In Pakistan, Social Security Scheme was launched on March 1, 1967, under West Pakistan Employees' Social Security Ordinance No. X of 1965, with the assistance of the International Labour Organization. The Sindh Employees' Social Security Institution (SESSI), however, came into being on July 1, 1970 when the Scheme was reorganized on provincial basis after the dissolution of One-Unit. Initially, the Scheme was designed for coverage of textile industry workers of Karachi and Hyderabad. On getting encouraging results later on the Scheme was extended to all other industries and commercial units.

SESSI is a service-oriented organization. The function of the Institution is unique in nature for the welfare of labour class. It aims at providing medical care facilities and cash benefits to the secured workers and their dependents.

The general direction and superintendence of the affairs of the Institution vest in a tripartite Governing Body. In its functioning, the Institution is guided by such instructions on questions of policy as may be given to it from time to time by the Government.

Medical Care occupies the most significant place in the services of SESSI more than 70% of its budget is spent on providing medical care facilities to the secured workers and their dependents. The Scheme applies to the entire province of Sindh. However, administrative offices/ medical outlets are functioning in Karachi, Dhabeji, Nooriabad, Kalu Kohar, Kotri, Hyderabad, Tando Jam, Tando Adam, Mirpurkhas, Nawabshah, Shahdadkot, Shikarpur, Jacobabad, Larkana, Rohari and Sukkur. For providing the medical facilities there are currently 39 dispensaries, 5 medical centers and 4 hospitals.

Under Social Security Scheme secured workers are entitled to cash sickness benefit, injury benefit, maternity benefit, iddat benefit, disablement gratuity, disablement pension, ex-gratia grant and dependents get survivors' pension and death grant.

1.1 INVITATION TO BIDDERS:

SESSI invites proposal from the well reputed IT companies to implement this solution to automate different process of SESSI. The scope of work includes

- Employer's registration automation
- Workers contribution collection automation
- Workers registration along with their dependents
- Workers identity management
- Provision of employer and worker portals
- Provisioning of RFID based cards for SESSI workers with biometric based verifications at healthcare facilities
- Patient Relationship Management system
- Hospital Management System
- Medical inventory and pharmacy automation.
- Patient Queue management systems for health center
- SESSI Outreach program automation
- Provisioning of workers on premises facilities.
- Provisioning of Data Center along with servers, storage, network & security
- Provisioning of LAN, WAN for SESSI offices and medical facilities.
- Provisioning of Email & Collaboration system
- Provisioning of RFID+ Biometric based attendance system for SESSI employees
- Provision of Bandwidth for all offices.
- Operation and maintenance of complete system for 3 years
- Web portal development for different departments
- Antivirus Solution

1.2   Invitation to Bidders

Government of Sindh, Sind Employees Social Security Institute (SESSI) invites technical and Finance proposal from reputable Companies for Automation of revenue collection and Healthcare for SESSI. The project will be divided into different phases and procurement will be done on phase wise basis as described in BOQ. Scope of this project will be for all registered workers and employer include SESSI facilities however unit rates of each have item to be quoted and based on the detailed surveys, quantities will be finalized with the successful bidder.

1.3 *Implementation & Payment Schedule*

The Delivery schedule for the implementation of automation of SESSI will be applicable in three consecutive Phases which will be completed in 3 financial years or earlier and the dates for the Supply, Installation and Configuration will be applicable with the effect (w.e.f) from the date of issuance of purchase order for each phase.

PHASE 1

	Milestone	Time Period	Payment
1.	Supply of Hardware & Software as per BOQ	6-8 weeks from date of signing of contract	80%
2.	Installation and Configuration of Hardware & Software as per gap analysis	10-12 weeks from Supply of complete hardware & software	20%

PHASE 2

	Milestone	Time Period	Payment
1.	Supply of Hardware & Software as per BOQ	6-8 weeks from the date of signing of contract	80%
2.	Installation and Configuration of Hardware & Software as per gap analysis	10-12 weeks from Supply of complete hardware & software	20%

PHASE 3

	Milestone	Time Period	Payment
1.	Supply of Hardware & Software as per BOQ	6-8 weeks from date of signing of contract	80%
2.	Installation and Configuration of Hardware & Software as per gap analysis	10-12 weeks from Supply of complete hardware & software	10%
3.	Completion of Training	4 Weeks from Installation & Configuration	10%

1.4   General

The responding organization should provide the following.

- Name of the participating organization or participating organizations (if more than one) in the responding consortium, including their scope of involvement.
- Detail of Manufacturer/Brand for proposed hardware & software.
- Technical Detail/Data Sheets of proposed hardware & software.

1.5   Technology Roadmap

The RO should clearly mention the roadmap for the products that are quoted as part of the total solution. A detailed chapter covering at least the following aspects of equipment quoted:

- Support of various IEEE standards
- Support of various Information Security standards
- Compatibility of proposed solution, with equipment of other Major Players of the Market

Any other supporting documents, graphs or charts which describe the technology roadmap of equipment quoted may also be provided.

All the products (Hardware & Software) quoted manufacturing or assembling facilities should be ISO certified. (Please provide copies of ISO certifications)

1.6   Staff assigned to the Project

Responcing Organization should list the personnel who will be working on this project. Particular focus should be on core skills set required for implementation of project of this nature.

Resumes of staff, assigned to this project in the following three categories should be provided

1. **Total Staff** assigned to the project (Please specify **role of each person,** as per minimum requirements mentioned above)

2. Total Staff assigned to the project for **Support** purposes

3. Total staff assigned to the project for **Training** purposes

1.7 Project Implementation/Management Plan

The responding organization shall provide a detailed implementation plan and project management plan. Responding Organization should provide the, which should describe exactly what **will be delivered / installed in what timeframe** during the course of the project. Responding Organization should cover **tasks assigned to the employees and resource allocation** of responding organization during the course of the project. This should not be in generic terms but should be specific to the project. **Project plans in tabular form, mentioning names of tasks, sub tasks, start date, finish date, resources and milestones will also be appreciated.**

1.8 Deliverables

The responding organization should clearly mention and list all the deliverables to be provided under the proposed project. Project deliverables should at least include descriptions of supplied equipment's, model numbers, version numbers, along with their detailed technical specifications, the way these equipment's are configured as per requirements of this Tender, user manuals, technical specifications of the modules within the supplied equipment, training schedule, proposed course material and testing reports etc.

1.9 Support Capabilities

The RO should indicate the support capabilities for hardware & software supplied. Number, qualifications and relevant certifications of support personnel must be indicated. The selected vendor will provide **12 months maintenance & support service for removal of problems/defects for all hardware, software and custom applications.** The detailed support plan should also include the following information other than mentioned above:

Note: Bids of Responding Organizations which will not contain the above mentioned table will not be processed further.

The chapter on Support plan should cover following categories in detail:

1   Comprehensive Support plan

2   Issue handling (Support) Plan as mentioned above.

3   Details of Support Experience of the projects of same size and nature

4   Staff Assigned Expertise

5   Technical Support staff location (Office Locations)

6   Support experience of Government (National/International) Projects

1.10   Compliance to Specifications

The RO should provide information as per items mentioned in Annexure-A/ Boq. Responding Organizations should not propose any kind of refurbished equipment/components in their technical proposals. RO should provide this information in the following tabular form:

(FC= Fully Compliant , PC= Partially Compliant and NC= Not Compliant)

Failure to provide compliance statement of all items may result in disqualification of bidder.

Sr. No.	Item Quoted	Compliance (FC, PC or NC)	Details if PC or NC
1.			
2.			
3.			
4.			

1.11   Late Delivery & Penalties

The Responding Organization (RO) should deliver & deploy the solution in 18-24 weeks and provide 36 months on site support with resident engineer and data entry operator for

registration purposes . After 36 months period the system will be handed over to SESSI. There will be penalty imposed on delay of per week @0.5% of project value.

1.12 OEM relationship and warranties

- The responding organization (RO) should be authorized Partner if not a manufacturer, and should submit a letter FROM **THE ORIGINAL MANUFACTURER FOR THIS PROJECT ADRESSING THE CLIENT**

- All equipment should have 12 months warranty (9x6). All Software loaded on active equipment should have warranties for 12month against defects/bugs.

- The equipment supplied should be through verifiable by Manufacturer representative.

- The end user licenses, end user warranties and end user contracting support services will be in the name of Customer, for all the equipment and Software loaded on the equipment delivered during the course of the project.

- No refurbished/End of life and used equipment will be supplied during the course of the project.

1.13 Technical Evaluation

There will be a two-stage technical evaluation. **Preliminary evaluation** of technical bids will be done on the basis of following parameters:

1. RO or Lead bidder should be a Pakistani Company **OR** a branch office of a Multinational Corporation having local presence

2. Comply with specifications mentioned in this Tender Documents.

3. Bidder should be in IT business from last 3-5 years.

4. Bidder should have at least one project reference covering all solution areas written in RFP.

5. Bidder should have at least one reference for Deploying Data Canter.

6. One Vendor solution for complete Networking will be preferred

   but more than two vendor's solution will not be acceptable.

7. All the products quoted and/or assembling facilities should be ISO certified.

8. Bidder should propose all equipment strictly compliant with technical specification; no optional item will be accepted.

9. At least one PMP (Project Management Professional) should be a part of RO Project team.

10. The responding organization (RO) should be a manufacturer or authorized Partner, **FROM THE ORIGINAL MANUFACTURER.** The responding organization (RO) is required to submit the **Manufacturer Authorization Letter** in the favour of the client.

11. Financial proposals will only be considered only for those bidders who are short listed in technical evaluation.

Following are needed to be mentioned in proposals Financial Strengths, General Standing in the business and market, list of clients and achievements, registration and affiliations etc. The Technical and Financial Bids shall be evaluated on the basis of following parameters:

S.#	Evaluation Parameter	Marks	Description
1	Technical Proposal	1000	
1.1	Company Profile	255	
1.1.1	Years in business [10 marks for each year]	30	3 year in business. (Please provide evidence)
1.1.2	Bidder's Business Partners [5 marks for each year]	15	At least 3 year partnership with Principal(s) (Please provide evidence)
1.1.3	Bidder's Certification [15 marks for each year]	45	At least 3 year ISO 9001 and ISO27001 Certifications
1.1.4	Company Size	30	Bidder must have at least 100 regular employees registered with EOBI and their monthly contributions must be paid to EOBI.
1.1.5	Team Member Certifications [15 marks for each certified professional]	135	Must have at least 2 x Certified CRM or Application platform certified experts 1 x Certified DBAs

			1 x CCIE
			1 VOIP Certified Engineer
			1 x RFID Technology Certified Engineer
			1 x Microsoft Server 2012 Certifications
			2 x Email Application Certified
1.2	**Relevant Experience**	**195**	Domain Knowledge at Pakistan and International level.
1.2.1	Similar Nature Project in Pakistan [50 marks for each project]	100	That bidder has successfully completed two (02) projects for implementation of process automation solutions for Government.
1.2.2	Similar Nature Project Internationally [25 marks for each project]	50	That bidder has successfully completed at least two (02) Automation System project and personnel registration solution with Government
1.2.3	Projects in last 3 years [15 marks for each Rs 50 million project]	45	That bidder has successfully completed more than Rs 300 million worth of projects within last 3 years.
1.3	**Development Strategy**	**250**	Framework and strategy
1.4.1	Development & Deployment Methodology	150	Define framework and strategy that will be used to structure, plan, and control the process of developing and deployment of this specific system. It should include specific deliverables that will be created and completed during the project.
1.4.2	Presentation Before the Competent Authority	100	The successful bidder or technical evaluation has to present its complete plan of Automation of SESSI before the competent authority.
1.5	**Financial Capabilities**	**300**	
1.5.1	Financial Capabilities in last 3 years More than Rs 500 million revenue (300 marks)	300	Provide 3 years audited financial statements

More than Rs 250 million and less than Rs 500 million revenue *150 marks* More than Rs125 million and less than Rs 250 million revenue *75 marks*		
Total Marks	**1000**	**(Technical Proposal)**

Detailed Technical Evaluation will be done for firms who qualify the preliminary evaluation mentioned above. These firms may be asked to give presentations on their solution.

1.14 Award Criteria

Financial bids of firms who score at least 70% or above on the technical evaluation (as a whole) will be opened. Technically qualified financially lowest Bidder will be awarded the project based on all other compliances to the RFP. The SESSI reserves the right to accept or reject any bid or reject all bids, at any time prior to award of contract, without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders.

1.15 Joint Venture

Bidder shall be a Firm, Association of Persons, Joint Venture, Company or Corporation meeting all of the required criteria. In case of a Joint Venture, the lead bidder (Single Firm, Association of Persons or Company) must be clearly identified.

1.16 Supporting documents with the Bid

1) Certificate on stamp paper that the bidder/ partner has never been black listed in Pakistan by Government or Private Authority in Pakistan

SINDH EMPLOYEES' SOCIAL SECURITY INSTITUTION
(HEAD OFFICE)

NOTIFICATION

No.SS-Admn/Procu./2015-   With the approval of Competent Authority, a Committee is constituted in this office for computerization / automation of SESSI by reputed / established firms/suppliers/contractors. The composition and TOR's of the Committee is given as under:-

COMPOSITION

1.	Vice Commissioner, SESSI	Chairman
2.	Medical Adviser, SESSI	Member
3.	Joint Director Labour Department	Member
4.	Director Administration, SESSI	Member/Secretary
5.	Deputy Director, I.T. Board of Revenue, Government of Sindh.	Member

TOR'S

1. To examine and evaluate required factors alongwith proposals of automation of SESSI office submitted from reputed / established firms/suppliers/contractors for prequalification.

2. To examine technical and financial proposals.

3. To open proposals in presence of reputed / established firms/suppliers/contractors on the day and date fixed by SESSI office.

4. To examine and evaluate relevant experience and past performance.

5. To examine and evaluate capablilities with respect to personal equipment and plant etc.

6. To examine and evaluate financial position.

7. To examine and evaluate appropriate managerial capablity.

8. To examine all the required documents / bids for establishment of computerization / automation of SESSI office and submit their recommendation to competent authority for procurement.

9. Any other factor that a procuring agency may deem relevant,not inconsistant with the rules.

(MUHAMMAD FAROOQ LEGHARI)
COMMISSIONER

No. SS-Admn/Procu./2015-   Karachi, dated 12-2-2015
Copy is forwarded for information and necessary action to the:-

1. Directors, Finance/Audit/Accounts/IP&CD, SESSI, Head Office.
2. All Members
3. P.S. to Commissioner, SESSI, Head Office.
4. P.A. to Vice Commissioner, SESSI, Head Office.

DEPUTY DIRECTOR (ADMN)

Amendments will be provided in the form of Addenda to the RFP and will be sent in writing, cable, facsimile, or electronic mail to all prospective Bidders that have received the RFP and will be binding on them. Bidders are required to immediately acknowledge receipt of any such Addenda, and it will be assumed that the amendments contained in such Addenda will have been taken into account by the Bidder in its bid.

In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, in which case, the Purchaser will notify all Bidders by cable, facsimile, or electronic mail in writing of the extended deadline.

In case of a conflict with the RFP or earlier Addenda, the latest Addendum would prevail.

All Addenda issued would form an integral part of the RFP.

1.20   Bid Prices

1. Prices must be quoted, strictly using the format mentioned in BoQ of this RFP.

2. These prices must include all incidental costs associated with the provision of the service, such as travel, subsistence, office support, communications, printing of materials, etc., and all taxes, levies, duties and fees imposed on the Bidder, its Sub-Contractors, or employees on account of such services in the Purchaser's country or in any other country.

3. Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to increases on any account. Bids submitted that are subject to price adjustment will be rejected.

1.21   Documents Establishing the Conformity of Proposed Solution to Bidding Documents

1. The Bidder shall furnish, as part of its bid, documents establishing the conformity to the Bidding Documents of the proposed solution that the Bidder proposes to supply and install under the Contract.

2. Delivery schedule for items in BOQ would be communicated at the time of singing of the contract.

3. Bids for sub-systems or portions or part-solutions of the solution shall not be accepted.

4. The documentary evidence of conformity of the proposed solution to the Bidding Documents shall be in the form of written descriptions, literature, diagrams, certifications, and client references, including:

   a) Detailed description of the essential technical and performance characteristics of each component making up the proposed solution;

   b) Detailed drawings, design parameters, design calculations, put-up sheets and outputs of any tools used for capacity planning and designing of the entire solution;

   c) An item-by-item commentary on the Purchaser's Technical Requirements, demonstrating the substantial responsiveness of the proposed solution offered to those requirements. In demonstrating responsiveness, the commentary shall include explicit cross-references to the relevant pages in the supporting materials included in the bid. Whenever a discrepancy arises between the item-by-item commentary and any catalogues, technical specifications, or other pre-printed materials submitted with the bid, the item-by-item commentary shall prevail;

   d) Data Sheets of all equipment's and software's offered;

   e) Preliminary Project Plan as required by the Purchaser and stated in the RFP;

   f) Written confirmation that the Bidder shall accept responsibility for the successful integration and inter-operability of all components of the proposed as required by the Bidding Documents.

   g) The bidder shall categorically confirm the specification of RFP in all respects.

   h) Bids submitted without the above desired confirmation and documents may be rejected straight away.

1.22   Bid Validity and Security

1. Un-successful Bidder's bid security will be discharged/returned as promptly as possible.

2. The successful Bidder will be required to keep his bid security valid till the agreement is signed with the Purchaser for the execution of the project.

3. The bid security may be forfeited; if a Bidder withdraws its bid during the period of bid validity specified by the bidder on the bid form.

4. In case of successful Bidder, if the Bidder fails to sign the Contract in accordance with relevant clauses, the bid security will be forfeited.

5. The bid validity period shall be Thirty (90) days after the deadline for bid submission.

1.23 Format and signing of Bid

1. Separate technical and financial bids shall be submitted.

2. The Bidder shall prepare the bid, clearly marking as "TECHNICAL BID", "FINANCIAL BID," etc.

3. The bid shall be typed or written in indelible ink and shall be signed and stamped by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. The person or persons signing the bid shall initial all pages of the bid.

4. The bid shall contain no interlineations, erasures, or overwriting, except to correct errors made by the Bidder, in which case such corrections shall be initialled by the person or persons signing the bid.

5. Any mention on Bid Price in the Technical Bid would result in disqualification.

1.24 Deadline for submission of Bids and Bid opening

1. Bids must be received by the Purchaser at the address specified in the RFP no later than 2:30 PM on the date mentioned in Table above.

2. The Purchaser may, at its discretion, extend this deadline for submission of bids by amending the RFP, in which case all rights and obligations of the Purchaser and Bidders will thereafter be subject to the deadline as extended.

3. Bid shall comprise a single package containing two separate envelopes.

4. Each envelope shall contain separately the financial proposal and the technical proposal;

5. envelopes shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion;

6. Initially, only the envelope marked "TECHNICAL PROPOSAL" shall be opened; envelope marked as "FINANCIAL PROPOSAL" shall be retained in the custody of the procuring agency without being opened.

7. Any bid received by the Purchaser after the bid submission deadline prescribed by the Purchaser will be rejected and returned unopened to the Bidder.

8. The Purchaser will open only those financial bids who have met the mandatory eligibility criteria.

1.25   Award Criteria

The Purchaser will evaluate and award the Contract to the Bidder whose bid has been determined to be substantially responsive and the Best Evaluated Bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

1.26   Purchaser's Right to Accept Any Bid and to reject any or All Bids

The Purchaser reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to Contract award, without thereby incurring any liability to the Bidders.

1.27   Collection Improvement

The successful bidder will assist SESSI to develop and implement the processes/practices to improve collections through various sources. These processes will be executed with the consent of SESSI management. SESSI will not pay any cost to the successful bidder for the said said activity. However if successful bidder is able to show improvements in collection from last year's corresponding quarters then SESSI will pay to successful bidder at the rate of 1% of collections as a fee to recover financials costs incurred during development and execution of this process. These payments will be dispersed on a quarterly basis. In case there is no improvement in collections then SESSI is not liable to pay anything to the Bidder.

2 SCOPE OF WORK:

Vendor has to use industry standard CRM or any other industry proven platform to implement the following modules to automate the SESSI current processes

1. Employer Registration
2. Worker Registration
3. Revenue Collection
4. Workers RFID card designing and printing
5. Patient Relationship Management
6. Request/Complain Management
7. Management Dashboards & Reports
8. SESSI Outreach Program
9. Employer & Workers portal
10. Integration with Email and Inventory

The solution should be capable enough to incorporate enhancement of contributions and medical facilities from time to time

2.1 Employer Registration
Bidder has to develop employer's registration process including all the details regarding nature of business, address, banks, employee etc. All the records of revenue collection against registered employers, fines, associated workers, and audit reports will also have to be assisted with employer record. Bidder has to develop an approval process, workflows for any new employer registration or any change in existing employer information. Application should have the capability to configure custom views for revenue collection office based on different scenarios like late payer, defaulters, large companies etc.

2.2 Workers Registration
Bidder has to develop/customize the complete process automation of workers registration and profiling, which includes the workers personal details, their dependents details with pictures, NIC numers, biometrics, bank account details for cash benefits. Bidder also has to propose the complete user management including user registration, verification, access rights and password management processes in this application. All records such as contribution, medical history, health center visits and prescribed medicine, cash benefits details etc should be associated with each worker or their dependents. Medical history, medical test reports will be associated with worker or their dependent record, which should be accessible from any medical facility of SESSI

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or SESSI works portal. This application should have its own RFID and Biometric module or integrate with external RFID application and must provide below

- Centralized enrollment and identification of RFID cards and biometrics.

- Application should have Integration components, which can be used with industry standard solution for centralized verification or enrollment. The solution should have APIs, which can be used with third-party software application for identity verification using RFID and biometric devices.

- The biometric profiling of member should be maintained in separate database with maximum possible security features.

- The solution should have easy to use interface and also provides on-screen prompts so the user can improve finger positioning to capture the highest quality image.

- The proposed application should have capability to store up to 10-finger prints against each user profile.

- The proposed application should not maintain biometric images but stores the minutia file (a mathematical representation of finger image).

- The application should manage all the RFID/Biometric hardware readers including integration, administration and troubleshooting.

Additionally, they should provide network administrators with a solution that seamlessly integrates with some of the most common business applications which also allows central administration, configuration and maintenance tools for setting user security policies.

2.3   On Premises Workers Registration Centre

Bidder has to setup complete workers registration center of SESSI directorates. This center should be equipped with all the hardware including computers, document scanner, camera fingerprint scanning device, worker registration software, RFID card printer and connectivity to data center. Following information will be captured during the registration

1. Workers Personal details as per NIC, Picture and fingerprints scanning.

2. Scanning of Original NIC.

3. Personal information of dependents as per NIC or B Form.

4. Dependents Pictures, scanning of original ID cards or B Form.

5. Scanning of Employer certificate.

2.4   Card Printing

Bidder has to provide the RFID card designing and printing module, which has to be the part of or an integrated module with workers registration module of main application.

- Should have user-friendly card designing interface, which should allow designing both sides of cards.

- Should have the feature to import the different type of images, resizing & cropping of images

- Should have drag/drop facility in design interface to include different information coming from worker registration like Name, Number, and Picture etc.

2.5   Revenue Collection

Bidder has to develop or customize the revenue collection module to automate the current revenue collection of SESSI. Revenue collection module should also have a web interface, which will be the part of Employer portal from where employer can submit the monthly contribution details along with workers list. Revenue collection module should be able to calculate the monthly contribution of employers based on associated registered workers and should have the collection procedure/workflows. The module should have the capability to develop or customize different view for revenue collection office like defaulters, later payers, outstanding payments etc. This will be integrated with Management Dashboards & Reporting module

2.6   Patient Relationship Management

Health care facility for workers is one of the core functions of SESSI, which is being provided through Healthcare Center, Dispensaries and Hospitals. Bidder has to develop a complete framework of patient relationship management as per following below process.

- Application should verify the identity of workers or their dependent from worker's SESSI RFID card which will be presented to RFID + Biometric device at the reception of healthcare center.

- Application should trigger the workers details stored against card for healthcare officer for verification

- After verification, application should allow to schedule appointment with doctor and associate the appointments against the worker or dependents record.

- Doctor should be able to capture the basic health related information using few clicks, see medical history and prescribe the medicine.

- Medicine prescription details should be available in pharmacy and after verification of patient; medicine can be issued to patient.

- On issuance of medicine to patient, system should close the current case of patient and also issue the medicine from inventory system.

- All the records of patient visits, history, prescriptions and issued medicine should be associated with individual record of worker or their dependents.

2.7   *Patient Queue Management*

Bidder has to develop the comprehensive queue management system for health care center as part of application. After verification of the patient's identity and appointment with doctor, system should assign a queue number to patient. Queue management should have following features

- Queue number should be assign automatically after scheduling the appointment with doctor.

- Reception officer or doctor should not be able to make any change in the queue.

- Doctors cannot close the case/ prescribe the medicine without following the queue sequence.

- Everyday new queue will be generated and previous day open queue number should be closed as unattended.

2.8   *Service Request/Complain Management*

Bidder has to develop a complete framework for employers and workers request or complain management. Any representative of employer or worker can initiate the service/complain using web portal or SMS using their register cell phones. Bidder has to develop the end-to-end service request engine which can handle the required routing and workflow, from the creation of a service request all the way through resolution while keeping the stakeholders informed through various channels (email, SMS, etc.). This application should have the complete life cycle of case management through an extensible service request engine which features sample requests accompanied by the appropriate workflow for each service type. It should fully automate and simplify the processes of creating, tracking, and managing complains and service requests.

2.9   *Cash Disbursement*

Under Social Security Scheme, secured workers are entitled to cash sickness benefit, injury benefit, maternity benefit, iddat benefit, disablement gratuity, disablement pension, ex-gratia grant and dependents get survivors' pension and death grant. Bidder has to develop the complete

cash disbursement module as part of main application. This module should have following features.

- Should have the complete verification process.
- Should have the complete approval process.
- Should keep all the disbursement details against every individual.
- Should have mechanism /process to directly integrate with any banking system to issue the cash against register bank accounts of worker or their dependents.
- Should have cash payment reconciliations process.

2.10 *Employer Portal*

Bidder has to develop the Employer portal, which should be integrated with Employer Registration and revenue collection module of main SESSI application. It should provide a framework to service employer's requests, provide information, manage back office processing and utilize resources efficiently. Employer can self-register, submit complains/requests, view the status of open complains, submit and view contributions, read announcements, and search a knowledge base repository for information used to resolve issues quickly.

This portal should have following features

- User /Password Management
- Registration request of new employer
- Online contribution and worker detail submission
- Change request like Address, Name etc.
- Announcements
- Knowledgebase
- Online Complains

2.11 *Hospital Management System*

Patient Demographics: (Primary Information, Marital Status, Contact Information, language and ethnicity)

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Patient Scheduling : (Patient appointment system)

Electronic Medical Record: (Medical issues, medications, allergies, previous medical history attachment of medical reports)

Prescriptions: (Create and send prescriptions , through system, fax, print or email)

Patient Portal: Reports, Medications and patient history

Reports: Appointments , Patients, Medicines, etc

Security : User Access Rights, Patient Biometrics (optional)

2.12 *Workers Portal*

Bidder has to develop the workers portal, which should be integrated with workers Registration and clinical management module of main SESSI application. It should provide a framework to service workers' requests, provide information, manage back office processing and utilize resources efficiently. Workers can self-register, submit complains/requests, view the status of open complains, view their medical history and other associated documents, read announcements, and search a knowledge base repository for information used to resolve issues quickly.

This portal should have following features

- User /Password Management
- Registration request of workers
- Online medical records
- Change request like change in address, addition/ removal of dependents etc.
- Announcement
- Knowledgebase
- Online Complains

2.13 *Management Dashboards and Reporting*

To improve efficiency and cost-effective service delivery, application should provide a powerful variety of management dashboards and reports to enhance performance tracking and accountability. Management should be able to quickly view interactive summary data that helps

them prioritize workloads, verify request status, and analyze trends. They should be able to access, view, aggregate, compare, and analyze statistics to help them monitor KPIs against various services which should also facilitate the management in bringing efficiency in process and planning activities. Application should have capability to develop the customer dash bards and reports. Bidder has to develop the few dashboards as per details as part of initial deployment.

- Dashboard for senior management based on revenue collection trends, defaulters, healthcare facilities usability based on regions, directors, cities, complains etc.

- Dashboard for director/head of territory to the see the performance of collection officer, revenue collection trends, defaulters etc.

- Dashboard for revenue collection officer based on their customer payment trends, defaulters, late payments etc.

- Dashboard for head of healthcare facilities to monitor the overall performance of healthcare facility based of different KPIs.

2.14 *Outreach*

2.14.1 Survey & Feedback

Bidder has to develop the complete process to collect citizen feedback using surveys (through SMS or web forms). There should be graphical reports or dashboard for management to review the citizen feedback. Bidder has to develop the complete framework within application so that new surveys or feedback forms can be designed sent or published on portal or circulated through SMS and feedback is analyzed and published over the portal. The application should be able to generate different trend reports based on the feedback.

2.14.1.1 Awareness

Bidder has to develop the complete process of awareness using webpage or SMS. The main application should support the workers, employers profile based on geographical location, nature of job/business, income group etc. and help us to send targeted SMS to these groups. Vendor has to provide complete integration of main application with SMS gateway which provides the successful SMS based message delivery to worker/employers on their register cell numbers with the registration record.

2.15 *Integration*

Bidder has to integrate and keep the provision of integration of main CRM with following applications.

- Active Directory
- Email & Collaboration System
- Inventory and Asset Management
- RFID + Biometric Application
- Access Control System
- Payment Gateway/Banking System

3 Inventory Management

SESSI is managing the complete medicine inventory life cycle for all medical facilities and each medical facility has its own store and pharmacies. SESSI is trying their best to offer quality services in order to ensure the availability of medicine when they are needed the most. Currently this all process is being managed on paper-based system, which needs to be automated with state of the art Asset Management and Inventory system. System should be able to track of all the asset, medicine from its purchase, issuance, transfer, return and repair.

The core requirement of asset tracking system is to be equipped with the Barcode technologies utilizing the benefits of exiting labels on medicines and other equipment's. System should help SESSI smoothen the warehouse operations, giving a deep down visibility of the assets coming in and going out which eventually helps and ensures the smooth operations of distribution. The solution aims to reduce the manual process delays, procuring the right items.

Asset tracking system is to cater mandatory below mentioned areas in order to execute the asset life cycle in the warehouse framework.

- The solution should have capability to integrate with workers clinical system for issuance of medicines from pharmacy as per online prescription from doctor.
- This solution should have the capability to manage users and configure their rights with respect to the business processes.
- The solution is to have its efficient workflow management based on which processes can be managed and controlled.
- Workflow engine include approval / rejection of Inventory related processes e.g. New Item addition in Catalog, Issuance Request, and Return Request etc.
- The aim is to use exiting barcode labels already printed or attached by manufactures to track assets. Also the system should have capability to print labels with synchronized

serialization with respect to existing inventory and shall able to define customized tag coding.

- The system should also manage and maintain medical facility level inventory stock, issuance of medicines to patients. The system should provide geographically distributed warehouse data sharing to reflect real time stock status.

- System should cater complete automation requirement starting from defining the inventory catalog to the asset disposal, giving a lot of flexibility to the user to manage it easily, tracking the complete asset life cycle.

- The solution is to have two Interface (Web and Handheld Application) using which user can run business processes.

- This solution allows user to handle bulk data exchange to upload /download data very efficiently utilizing the power of handheld device.

- The solution allows user to monitor daily IN and Out (Issuance and Return) of inventory from one location to another.

- The solution should allow user to manage Asset Repair Processing (Local and Foreign), track record and Inventory updates (When Items are repaired or required to disposed upon expiry).

- Transportation management for asset movement, keeping record of transport vendors, fares and transport request batch dispatch.

- Solution has the capability to conduct scheduled / at random inventory audit both from web and from handheld devices.

- Solution generated anti-theft alarms if unauthorized checkout of asset detected.

- Proactively manage Asset Issuance from one location to another location.

- If required assets are physically tagged containing complete asset Information that allows user to track the asset.

- Consolidated and Customizable Enterprise Reports for making Strategic Decisions

- Accurate stock status /real time inventory updates both on web portal and handheld application

- Help Warehouse Manager keep track, visibility and monitoring of the assets at various locations using state of the art handheld unit for auditing.

- Automated Queue management for dispensaries to streamline issuance.

The Asset tracking solution is to have core warehouse process related modules to capture, maintain and reflect required information. Below mentioned are the cornerstones of the required asset tracking system.

3.1 *Inventory Catalog*

- o Define Inventory Catalog.
- o Update Catalog using USB barcode scanner or handheld unit.
- o Flexibility of adding
- o Workflows to add / remove asset from the catalog
- o CSV Upload to manage bulk asset catalog data
- o Manage System Settings
- o Warehouse/store Definition

3.2 *User Management*

- o User Rights Management
- o Reports Settings
- o Alerts Management
- o Active Directory Integration Settings
- o Define Departments

3.3 *Issuance*

- o Issue of medicines to patients after approvals from doctors.
- o Issue Request Logging.
- o Issue Request Approval / Rejection.
- o Issuance can be performed from both web and handheld application.
- o Asset movement is tracked through scanning of barcode.
- o Warehouse Manager can also Issue an asset using handheld application.
- o Stock is updated in real time.

3.4 *Transfer / Return*

- o Return / Transfer Request logging
- o Request Approval / Rejection
- o Warehouse Manager receives the Asset
- o Warehouse Manager can also receive an asset using handheld application.
- o Stock is updated in real time

3.5 *Repair*

- o Repair Request
- o Request Approval /Rejection
- o Request Processing
- o Faulty Item Receiving in warehouse through (handheld / Web Interface)
- o Local / Foreign Repair Process Implementation
- o Stock updates when Assets are repaired or disposed.

3.6 *Transportation*

- o Transport Request in case assets require
- o Transport dispatch Planning
- o Transport Fare Management
- o Transporter Allocation
- o Approve /Reject Transport Request
- o Transport Vendor Management
- o Transport Request history / tracking

3.7 *Asset Tracking*

- o Inventory auditing to prevent theft.
- o Real Time Asset Transactions Monitoring on a web Interface
- o Asset Entry and Exit logs
- o Asset Transaction Reconciler
- o Asset Movement History

3.8 *Tag Management*

- o Define Tag Anatomy (Sequence Pattern)
- o Manage preprinted or manual tag printing.

3.8.1 Enterprise Asset Reporting

An extensive reporting is the heart of asset tracking system that helps top management making key / strategic decision. Below are the mandatory required reports

- o Stock Status Report
- o Current Warehouse Report
- o Asset movement Report

- o Asset with latest location
- o Asset Transfer Report (Transfer from one store to another)
- o Asset Return Report (sub store to main store)
- o Asset movement Report
- o Asset with latest location

4 RFID based Security Application

An Enterprise application is required with Service-oriented architecture. The application should have web services for data exchange, database independent architecture (SQL Server 2005 preferred), redundant database server support, audit logging, application access right management and auto recovery. Application should be capable to integrate with:

- Industry standard ERPs.
- Integration with Active directory service.

Application should support comprehensive organizational hierocracy management and Physical access policy management. The Salient feature should include:

- Time Attendance logging,
- Access Control Logging,
- Card Printing module,
- User Management both with groups and on individual access rights.
- Programmer able Events (Emergency alerts, unauthorized alerts, Email or SMS alert, custom triggers etc.).
- Biometric Enrollment
- Visitor Management,
- Built-in reports and custom report builder.

The application should have dynamic web base integrated reporting capability.

4.1 USER MANAGEMENT

User profile should be created in system containing, Employee ID, User Name, designation, Department, Sub Department, and Photo ID etc. User specific permissions are defined or a predefined group with permissions can be associated with employees.

Biometric enrollment of users should be performed using administrative console. System allow administrator to save up to three fingerprints of each user. In addition to RFID card-binding system should allow admin to program RFID cards using special card programming device (Optional).

Bulk Users can be imported in to the system using CSV file. A fixed format CSV file containing all user detail and their picture path can be imported directly into the system. Similarly user data from the system can be exported to the same format from the system.
System can be fully or partial integrated with Active Directory. Users and their organizational hierarchy can be imported from the active directory. Certain agents can be configured for real time integration.

4.2 REPORTING

A web base application is required where user can view his/her attendance records, supervise can view their team member report and senior manager can view and analysis entire organizations records. The application interface should be bifurcated according to Roles he or she has. For example user with HR role can view all the records of employee in region, manually correct attendance records or update user profile, etc. Also the application should have leave management, Job Hour request management.

Users and Supervisor can view pre-configured attendance reports according to their role and rights assigned to them by the administrator. Reports can be exported in different format for their personal records.

Leave management should allow user to apply different type of leaves and their respective supervisor can approve or reject their leave. It is coupled with the feature of leave plotting on a calendar, which allows user to plan their leave easily and supervisor to view conflict between the employee leaves and help him in his decision. Administrator should be able to configure different type of leaves and quota in the application.

4.3 VISITOR MANAGEMENT SYSTEM

Application should be customized to streamline management of visitors. The interface of application should be user friendly. It allow receptionist to issue a visitor card and gate pass to keep record of his/her belongings at the time of arrival and recodes visitor time in and out. This application should have a capability to receive visitor request before arrival of visitor. The

module should provide live monitoring of all the visitors of building. Also a comprehensive report can be generated for all the visits take place in a day, week or month.

5 IT Helpdesk Application

Vender will deliver following features in/along the application:

S/No.	Features
1.	Online portal access for ticket Logging with or without logging into application.
2.	Ticket Logging on behalf of someone.
3.	Ticket communication – support engineer's communication with initiator of the issue.
4.	In-line attachments with ticket communication.
5.	Email Notifications on every ticket update, assignment of the issue to support engineer, taking over the issue by any support engineer.
6.	Automatically create ticket by send an email on predefine email address.
7.	Automatically ticket routing based on defined threshold of category/priority.
8.	Sorting on tables and Auto-refreshing feature on my issues tab.
9.	Active Directory User Management which includes: • User creation • User updating Password reset (Self-service and manual)
10.	Administrator can reset user's active directory password by going through Active Directory Profile management section. This feature will send the user new auto-generated randomly created password as an email and also sends SMS on his/her cell phone number defined in Active Directory.

11.	User can reset password by sending an email to specific email address with specific subject; the system will read that email address and sends him a confirmation email/SMS. Upon confirmation response system will generate password and sent via email or SMS as defined in Active Directory.
12.	Encrypted Active Directory administrator's password to prevent unauthorized access.
13.	Search Engine. An extensive search engine where user can search Issues based upon the following criterion: • Issue Category • Date (From – To) • Issue ID • Ticket Status • Assigned To • Logged By
14.	Knowledge base – a repository of all already reported and resolved issues to help out new users if they see similar issues.
15.	Build-in exportable Reports. (A detailed reporting capability along with standard graphs / pie charts. These reports are mainly of Issues, their Tracking and the performance of the Help Desk Engineers based upon the resolution time of the tickets ever since Ticket was logged).
16.	New news posting.
17.	News section to view the posted news by admin.
18.	Application Users profile Management.
19.	Categories, sub categories and permission management. (Read/Write permissions can be defined on category/Sub Category)
20.	Custom Fields definition, Only Text, Numeric, LOV, date time fields can be created.

21.	Complete logging of all the actions performed on the application (User Log).
22.	General Settings – includes • Different application level settings like: o Allow new users to register themselves (uncheck if you want to create all new users MANUALLY) o Restrict issue deletion to Admins only (uncheck to allow users to delete their own issues) o Restrict issue closing to Technicians only (uncheck to allow users to Close their own issues) o Everyone sees everyone's issues (NOT recommended) o Default category (pre-selected on the 'new issue' page) • Email Settings o Email notifications enabled o Notify technicians of new issues (remember to edit the categories permissions!!!) o Use SSL to connect to the SMTP server o Email Templates
23.	Support SQL Server and 64 bit windows.

Safety and Security

The proposed solution should be foolproof such that no threat posed by the external environment can harm it. Threats of Theft, Fraud, and data corruption are the key areas focused. To achieve this, various checkpoints should be incorporated within the application to make it secure. Following key security aspects should be covered:

- Internet Robots should no able to perform any operation against the application.
- Strong Passwords should be used to act as a protective shield against online predators, and email hoaxes.

- Encryption of Passwords and Potential information at all levels should be ensured.

- Hijacking of user session should not possible from anywhere in the application making data secure from being corrupted.

- Least-privileged access should allowed to integrated components and modules from application keeping the required necessary abstraction in place.

- Injection Attacks on the application should not possible from outside. SQL and XSS attacks are handled at all levels.

- Buffer Overflows are not tolerated in any section of the application.

- Interaction with Active Directory is controlled as per the required access.

- Ports Management is foolproof not leaving any loophole for external threat.

- Segregation of Duties based on designated roles in the system.

- Activity logs should be maintained for activities performed by the system.

6 Web Portal Development

Web Portals will be developed for different departments of the ministry. The vendor should make sure that the following features are covered under the portal provided.

1) Design Manager
2) Snippet Gallery
3) Device Channels
4) Device Channel Panel Control
5) Display Templates
6) Image renditions
7) Managed Navigation
8) Content Search Web Part
9) Design Packages
10) Cross site publishing
11) SEO enhancements
12) Catalogs
13) Analytics and recommendations

Hardware Specs

1) RFID + Biometric readers

Finger Print Sensor Resolution: 500dpi, High Quality Optical Sensor
Capture Image Size: 412 X 302 pixels
Extraction Image Size: 260 X 300 pixels
Sensing Area: 13mm X 15.2mm
FAR (False Acceptance Ratio): 0.001%
FRR (False Reject Ratio): 0.1%
ESD (Electro Static Discharge): 15KV
CPU: 32bit ARM9, Dual 8bit and 16bit Microprocessor
Memory Module (Program Memory): 256KByte ROM
Memory Module (Data Memory): 128KByte / 256KByte / 512KByte Flash Memory
Finger Print User: 1,000 Fingerprint Users
ID User: 10,000 / 20,000 ID Users (Selectable)
Fingerprint Templates Size: 800Bytes for 2 Fingerprint Templates
Event Buffer: 20,000 / 10,000 Event Buffers (Selectable)
RFID Card Read Range: 13.56MHz, Passive Cards
Read Range 13.56MHz: Up to 2 Inch (10cm)
Reading Time (Card): 30 milliseconds
Verification Time: Less then 1 Second
Identification Time: Less then 2 Seconds
External Reader Port: 1 Port: 26bit Wiegand, 4 / 8bit Burst for PIN for Anti-Pass back
Communication: RS232 / RS485(32channels Maximum)/ TCP/IP
Baud Rate: 57,600bps (Recommended) / 38,400bps / 19,200bps / 9,600bps (Selectable)
Input Port: 4ea (Exit Button, Door Sensor, Auxiliary # 1, Auxiliary # 2)
Output Port: 2ea FORM-C Relay Output (COM, NO, NC) / DC12V ~ 18V, Rating: 2A (Maximum)
2ea (TTL Output / DC5V, 20mA Maximum Rating)
Printer Port: Serial Port for Connecting Printer
LCD: Graphic LCD (128 x 64 dots), 72.5mm x 39.5mm (2.85" x 1.56") View Area
Keypad: 24 key Numeric Keypad with Back Lighting
LED Indicator: 3 Array LED Indicators (Red, Green and Yellow)
Power / Current Source: DC 12V / 650mA (Maximum)
Operating Temperature/ Conditions: 0° ~ +50°C / 10% ~ 90% RH (Non-Condensing)
Color / Material: Black, Red, Gray, Silver, Dark Gray, Gold, Black & Gold Combo / Polycarbonate
Weight / Dimension (W x H x T): 800g (1.76lbs) / 192mm x 160mm x 45mm (7.56" x 6.29" x 1.77")
Certification: FCC, CE, MIC, RoHS

2) RFID card printer with printing material

Dual Sided Card Printing Capacity ,HDP Dye Sublimation, Resin Thermal Transfer300 dpi (11.8 dots /mm), Up to 16.7 million/256 shades per pixel, Full Color, YMCK, Standard Holographic, Custom Holographic with Thermal transfer over laminate, .25 mil thick, Print Speed ; 38seconds per card/95 cards per hour (YMC with transfer), Accepted Card Sizes CR80 (3.375"L x 2.125"W/85.6mmLx 54mm W), Print Area ,over the edge on CR80 cards, Input Hopper Card capacity 100 Cards(.030"/.762mm),Output Hopper Card 200 cards, Memory 16MB RAM. Accessories should include printing material of RFID Cards.

3) Personnel RFID Cards

RFID Cards – 13.56MHz Passive Type
PVC material, weight 5.5g
Must have unique communication protocol with RFID Readers

4) Switches, Routers and Firewall :

| 1 | Core Switch | 19"Rack Mount Modular Chassis Should have at least 6 Slot or higher. Should have Redundant Power Supply Should support POE line cards Should support at least 48gbps bandwidth per line card Should have at least two 10Gigabit interfaces and support 10Gigabit line cards Should support 802.3az line cards Should have 520Gbps switching capacity with 225Mpps of throughput Should support 64,000 ipv4 entries Should have one 48port Gigabit SFP based line card. Should have 40 Gigabit Ethernet SFPs. Should support full layer 2/3/4 EIGRP/OSPF/ BGP/IS-IS. Hardware spec should be CPU dual core 1.5Ghz, SDRAM 2GB, Boot flash 1G Should support VSS(virtual switching system) | |

		• Should support following protocol o Nonstop forwarding(NSF) Stateful Switchover, In Service Software Upgrade	

2	Access Switches	• Minimum 48 Ethernet 10/100 ports
		 • 2 GE uplinks SFP ports
		 • Should have Basic L2 features
		 • 1 RU fixed Configuration
		 • Should have 88Gbps or higher forwarding bandwidth
		 • Should have 176Gbps or higher forwarding switching capacity
		 • Should support 250 or higher VLANs with at least 4000 VLAN IDs
		 • Should support autoQOS feature
		 • Should support following features/protocols,
		    o DHCP
		    o DTP
		    o PAgP
		    o LACP
		    o MDIX
		    o UDLD
		    o SDM
		    o VTP
		    o RSPAN
		    o NTP
		    o Port security
		    o DHCP snooping,
		    o dynamic ARP inspection
		    o IP source guard
		    o port bas ACL
		    o TACACS and RADIU authentication
		    o BPDU guard
		    o spanning tree route guard
		    o IGMP filtering, Cross stack ether channel
		 • Should have USB storage for file backup
		 • Standard 802.1p CoS and DSCP field classification support and marking and reclassification on a per-packet basis by source and destination IP address, source and destination MAC address, or Layer 4 TCP or UDP port number.
			1

		• IEEE 802.1x allows dynamic, port-based security, providing user authentication.
		   o IEEE 802.1x with VLAN assignment
		   o IEEE 802.1x with voice VLAN
		   o IEEE 802.1x and port security
		   o IEEE 802.1x with Guest VLAN
		   o Port-based ACLs for Layer 2 interfaces
		   o Unicast MAC filtering
		• Dynamic VLAN assignment
		• Should support Shaped Round Robin (SRR) and strict priority queuing
		• Should support stacking	

5	Firewall+ IPS(Security)	- Throughput should be 2Gbps or higher - IPS throughput should be 600Mbps - IPSec VPN peer should be at least 750 - Should support VLAN at least 200 - Minimum Memory 8GB - Minimum Flash 8 GB - Should have minimum concurrent sessions 500,000 or higher - Should support at least 1200 major 150,00 micro applications - Should have **3DES/AES VPN throughput 300Mpbs or higher** **Should have site-to-site 700 or higher and remote access VPN sessions** **Should support high availability Active/Active and Active Stand by.** **Should support VPN clustering and load balancing**	

| 6 | Firewall+ IPS(DMZ) | • Throughput should be 1.2Gbps or higher
• IPS throughput should be 400Mbps
• IPSec VPN peer should be at least 250
• Should support VLAN at least 100
• Minimum Memory 4 GB
• Minimum Flash 4 GB

• Should have minimum concurrent sessions 250,000 or higher
• Should support at least 1200 major 150,00 micro applications
• Should have **3DES/AES VPN throughput 300Mpbs or higher**
• **Should have site-to-site 700 or higher and remote access VPN sessions**
• **Should support high availability Active/Active and Active Stand by.**
• **Should support VPN clustering and load balancing** | |

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7	Router	- Should have at least two 10/100/1000 Ethernet port - Should have at least one 10/100/1000 SFP based port - Minimum 4 EHWIC slots - Should have support of high capacity DSP - Should have embedded IPSec VPN acceleration - Should support Multi gigabit fabric - Should support redundant power supply - Should support Voice/Video conferencing through dsp	

| 8 | Branch Router | Should have at least two 10/100/1000 Ethernet port Minimum 4 EHWIC slots Should have support of high capacity DSP Should have embedded IPSec VPN acceleration Should support Multi gigabit fabric Should support redundant power supply Should support Voice/Video conferencing through dsp | |

5) Data Center Equipment and Accessories

Paper Scanner	
· Scanner type	Flatbed, ADF
· Scan resolution, optical	Up to 600 dpi
· Duty cycle (daily)	Up to 5000 pages
· Bit depth	48-bit
· Scan technology Charge	Coupled Device (CCD)
· Light source (scanning):	Cold Cathode Fluorescent Lamp (CCFL)
· Preview mode	Up to 4 sec
· Scan speed ADF (letter): white, grayscale, 200 dpi)	Up to 50 ppm/100 ipm (letter, color, black and
· Scan size (ADF):	Minimum: 2.75 x 5.8 in (70 x 148 mm), Maximum: 11.7 x 34 in (300 x 864 mm)
· Additional Features adjust the color and contrast; blank-page deletion, color bleed-through detection, background smoothing, and mutli-color dropout	Ultrasonic double feed detection; automatically
· Automatic document feeder capacity	Standard, 200 sheets
· Automatic document feeder scan speed 200 dpi)	Up to 50 ppm/100 ipm (b&w, gray, color,
· Scan size (flatbed), maximum	11.7 x 17 in
· Scan size (ADF), maximum	11.7 x 34 in
· Connectivity, standard	1 Hi-Speed USB 2
· Warranty	One-year on-site warranty

	Paper Printers (1 for each site)	
	- Speed Black 33ppm or higher - Processor 800MHz or higher - First Page out time minimum 08 seconds or equivalent - RAM 256MB or higher - Automatic Two side printing - Minimum input capacity 300 sheet or higher - Monthly duty cycle 50,000 pages or higher - Connectivity USB & Ethernet 10/100 or equivalent - Mobile Printing Capability or equivalent - Auto-On/Auto-Off or equivalent	

	Server Rack
	- Capacity: 42U - Width x Depth: 800 x 800 - With built-in TFTP display - Static loading: 1000 Kg - Degree of protection:IP20 - Double-section rear door - Pedestal with 4 removable panels - Side door lock and high-density vented door - Mounting rail with U mark - Silver cable ring installed in the mounting ring - Welded frame with strong structure 2 x PDU - Socket Quantity: 8, Cable with plug: 13A plug, Control Function: 16A master switch, Cable Specification: 3 x 1.5 mm2 x 2M, Mounting Length: 459 mm / 573 mm

	Communication Rack (for switches)	
	- Capacity: 42U - Width x Depth: 800 x 800 - Static loading: 1000 Kg - Degree of protection:IP20 - Double-section rear door - Pedestal with 4 removable panels - Side door lock and high-density vented door - Mounting rail with U mark - Silver cable ring installed in the mounting ring - Welded frame with strong structure 2 x PDU - Socket Quantity: 8, Cable with plug: 13A plug, Control Function: 16A master switch, Cable Specification: 3 x 1.5 mm2 x 2M, Mounting Length: 459 mm / 573 mm	

	UPS (1KVA)- APC only	
	- Internationally recognized brand - Online Double Conversion - Microprocessor Technology - Pure Sine wave - Single Phase 50Hz - Digital LCD Display - Built-In Stabilizer for Under/Over Voltage & Frequency Control - Backup Time: 30 minutes - Battery: Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leak proof - Alarms: Visual (LED) and audible alarms	

Air Conditioners		
- Wall mounted **1.5 Ton** - Kit Compressor Warranty - Auto restart function - Environment friendly refrigerant R22 - Anti-rust outdoor unit - Easy-cleaned panel - Two-direction air flow (SLR) - Independant dehumidification - Trapeziform Inner groove tube - Hydrophilic aluminum fin - Renowned brand	- Wall mounted **2.0 Ton** - Kit Compressor Warranty - Auto restart function - Environment friendly refrigerant R22 - Anti-rust outdoor unit - Easy-cleaned panel - Two-direction air flow (SLR) - Independent dehumidification - Trapeziform Inner groove tube - Hydrophilic aluminum fin - Renowned brand	

Laptop	
Processor	Intel® Core™ i5 or i7-3612QM (3.10/2.1 GHz, 6 MB L3 cache, 4 cores)
Chipset	Mobile Intel® HM76 Express
Memory	4 GB 1333 MHz DDR3 SDRAM upgradeable to 16 GB
Memory slots	2 SODIMM
Internal drive	750 GB SATA II (7200 rpm)
Optical drive	DVD+/-RW SuperMulti DL
Display	15.6" diagonal LED-backlit HD anti-glare (1366 x 768)
Graphics	Integrated: Intel® HD Graphics 4000
I/O ports	2 USB 2.0 or higher 1 HDMI 1 stereo microphone in 1 AC power 1 RJ-45 1 headphone/line-out 1 VGA
Slots	1 Media Card Reader
Function keys for volume mute, volume up, volume down, play, rewind, and fast-forward of video and audio files; Stereo headphone/line out, Stereo microphone in	
Network interface	Realtek Ethernet (10/100/1000)

· Wireless Intel 802.11a/b/g/n with Bluetooth 4.0 Combo	
· Battery 65W Smart AC adapter (integrated)	
· Battery type 9-cell Li-Ion	
· Warranty 1-year warranty	
· Operating system Windows 8	

Servers (Tower)	
- Processor : Intel Xeon E5-2650 x 2 8 core minimum - RAM: DDR 3 (128 GB Min) - Hard Disk : 3 TB - DVD : DVD RW - Power Supply : Redundant power supply - With 20" monitor screen	

Servers (Data Center)	
Supply and Installation of Blade Servers Solution to include - Servers each 2 x Intel® Xeon® E5-2620 (2.0GHz/6-core/15MB/95W) Processor or higher 96GB PC3L-10600R (DDR3-1333) Registered DIMMs at 1.35V expandable - Network interface of dual port, 2 x 300GB 6G SAS 15K rpm SFF (2.5-inch) SC Enterprise hot plug HDD with appropriate RAID controller supporting RAID 5 15 MB cache, 2 x Fibre Channel HBA Ports 2 x Gigabit Ethernet Ports with support for TCP offload and iSCSI - Windows 2012 or equivalent or high.	

SAN Storage	
• Processor : Dual Controller/ Storage Processor with minimum of 4GB cache • RAID: Data drives RAID 5 or 6 • Storage: 30TB • Storage Connectivity: Gigabit Ethernet 4x with 1 GB • Mounting: 2U sliding rail • Power Supply: Redundant power supply	

UPS for Data Center: 16 kW /20 kVA, Input 400V 3PH /Output 400V 3PH, Interface Port DB-9 RS-232, Smart-Slot, Extended runtime model.	
Specification: **Output:**	

Output:

Output Power Capacity	16 kW / 20 kVA
Nominal Output Voltage	400V 3PH
Efficiency at Full Load	95.3%
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal
Crest Factor	3 : 1
Topology	Double Conversion Online
Bypass	Built-in Maintenance Bypass, Built-in Static Bypass

Input:

Nominal Input Voltage	400V 3PH
Input Frequency	40 - 70 Hz (auto sensing)
Input voltage range for main operations	304 - 477V

Batteries & Runtime:

Battery Type	VRLA
Typical recharge time	4 hour(s)
Extended Run Options	Yes
Backup time	10min at full load

Communications & Management:

Interface Port(s)	DB-9 RS-232, Smart-Slot
Control panel console	Multi-function LCD status and control
Audible Alarm severity	Audible and visible alarms prioritized by
Emergency Power Off (EPO)	Yes
Protection Class	IP 20

Conformance:

Regulatory Approvals

C-tick, CE, EN 50091-2, EN/IEC 62040-3, IEC 61000-3-2, IEC 61000-3-3, ISO 14001, ISO 9001, VFI-SS-111

Generator for Data Center (40 KVA)	
• Supply & installation of 40kVA prime Diesel Generating Set complete in all respect which includes, Sound proof Canopy, foundation pad, control wire etc. The generator control panel should have a feature of IP connectivity for monitoring the electrical parameters. The generator should come with Diesel Tank.	

Core BOQ

S.No	Description	Qty	Make	Model
	Phase 1			
	Software			
1	Core SESSI Automation Application-CRM. As per Tender Documents customization and with High Availability Solution	1		
1.1	Employer Registration Module			
1.2	Workers Registration Module			
1.3	Smar Card Printing Module			
1.4	Integration of CRM with other systems			
1.5	Enterprise Database Server for CRM	1		
2	Microsoft Exchange Server with High Availability 2013 . As per Tender Documents specs for 200 email clients	1		
3	Microsoft Windows 2012 standard server	2		
	Hardware			
	Registration Point Setup for workers			
1	Fingerprint registration device	1		
2	Desktop computer	1		
3	Camera for taking workers pictures	1		
4	Cabling for one regional office (As per Actual)	1		
5	RFID Card	1		
	Allied Hardware for Core Setup			
1	Server (Tower) as per Tender Documents specs	1		
2	Server (Data center) as per Tender Documents specs	1		
3	Access Switch as per Tender Documents specs	1		
4	Paper printers as per Tender Documents specs	1		
5	Communication Rack for switches as per Tender Documents specs	1		
6	Paper Scanners as per Tender Documents specs	1		
7	Server Racks as per Tender Documents specs	1		
8	UPS 1KVA as per Tender Documents specs	1		
9	Laptop as per Tender Documents specs	1		

Grand Total for Phase 1						
	Phase 2					
	Software					
1	Antivirus solution for 200 clients. The contractor should provide a single, integrated platform for IT management. This solution should provide improved visibility into the security and compliance of your client systems. Following are its key benefits: • Single Infrastructure for Client Management and Security • Industry-leading Malware Detection • Improved Visibility for Identifying and Remediating Vulnerabilities • Real-time administrative actions to update definitions, scan, and remediate issues quickly	1					
2	Employers and Workers portal integrated with SESSI core application with High Availability Solution . As per Tender Documents specs	1					
3	Core SESSI Automation Application Modules As per Tender Documents customization and with High Availability Solution	1					
3.1	Revenue Collection Module						
3.2	Patient Relatioship Management						
3.3	Patient Queue Management						
3.4	Complain/Service Request Management						
3.5	Cash Disbursement Module						
4	Access Control, Time & Attendance, visitor management application with database and High Availability as per Tender Documents specs	1					
5	Enterprise Database Server for Clustering/High Availability of SESSI Core application & portals (CRM & Portals)As per Tender Documents specs	1					
6	SMS Gateway with integration with SESSI core application	1					
7	IT Helpdesk application as per specs in Tender Documents	1					
	Hardware						

Registration Point Setup for Employees		
1	RFID card printer with lamination and printing material as per Tender Docume	2
2	RFID cards - 13.56 MHz Passive Type as per Tender Documents specs	2
3	Personal Biometric Plus RFID Reader - Indoor - as per Tender Documents specs	2
4	Fingerprint registration device	2
5	LAN Converter	2
6	Desktop computer	2
7	Camera for taking empoyee pictures	2
8	Cabling	2
Security Equipment for Head office		
1	Personal Biometric Plus RFID Reader - Indoor - as per Tender Documents specs	4
2	RFID device for exit only	4
3	LAN Converter	4
Allied equipment for Core Setup		
1	Firewall + IPS (Security) as per Tender Documents specs	2
2	Firewall + IPS (DMZ) as per Tender Documents specs	2
3	Router (as per Tender Documents specs)	2
4	Blade Chasis (As per Tender Documents specs)	1
5	Branch router (As per Tender Documents specs)	8
6	Air conditioners as per Tender Documents specs	8
Grand Total for Phase 2		
	Phase 3	
	Software	
1	Core SESI Automation Application-CRM) As per Tender Documents customization and with High Availability Solution	1
1.1	Hospital Management System	
1.2	Management Dashbaords & Reprts	
1.3	Outreach Module	
5	Inventory Management System	1
1	Enterprise Database Server with Clustering/High Availability for Inventory Management As per Tender Documents specs	1

2	Web Portal as per specs in Tender Documents	1	
	Registration Point Setup for Employees		
	Hardware		
1	RFID card printer with lamination and printing material as per Tender Docume	4	
2	RFID cards - 13.56 MHz Passive Type as per Tender Documents specs	4	
3	Personal Biometric Plus RFID Reader - indoor - as per Tender Documents specs	4	
4	Fingerprint registration device	4	
5	LAN Converter	4	
6	Desktop computer	4	
7	Camera for taking empoyee pictures	4	
8	Cabling	4	
	Allied equipment for Core Setup		
3	SAN Storage (As per Tender Documents Specs)	1	
4	Core Switch as per Tender Documents specs	1	
3	Que management system	1	
	Grand Total for Phase 3		-

Note : **Quantities may vary at the time of contract award based on final requirements of SESSI**

All prices should be inlusive of all duties, taxes and freight