



Bureau of Energy Efficiency
Ministry of Power, Government of India

National Mission for Enhanced Energy Efficiency

Request for Proposal (RfP) for Upgradation/development work on D-CRM & PATNet and consultancy work.

31st January, 2018

To be submitted to,

The Secretary,
Bureau of Energy Efficiency,
4th Floor, Sewa Bhawan,
R K Puram, New-Delhi 110 066.

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Request for Proposal for up-gradation & development work of D-CRM & PATNet and consultancy services

Letter of Invitation

1.1 Advertisement

This Request for Proposal (RfP) document is for **up-gradation/development work of D-CRM & PATNet and associated consultancy services** under the PAT (Performance, Achieve and Trade) scheme of NMEEE. Government of India set up Bureau of Energy Efficiency (BEE) on 1st March, 2002 under the provisions of the Energy Conservation Act, 2001. The mission of Bureau of Energy Efficiency is to assist in developing policies and strategies with a thrust on self-regulation and market principles, within the overall framework of the Energy Conservation Act, 2001 with primary objective of reducing energy intensity of the Indian economy. Overcoming barriers for financing of energy efficiency is a key policy goal.

The objective of RfP is to develop and up-graduate the current functionalities of the existing BEE's PATNet portal and dynamic CRM portal on the predefined/approved work flow, compilation of data of portal and up-grading & maintaining the portal functionalities for 3 year period.

Interested agency/firm may download the RfP document from the website <http://www.beeindia.in/>. The submission of the RfP document must be accompanied with the payment of the bid processing fees of Rs. 5,000/- (INR Five Thousand only). The payment will be accepted in the form of crossed demand draft on any scheduled commercial bank, payable at par in New Delhi in favor of Bureau of Energy Efficiency, New Delhi.

Last Date for Submission of bid: **5th March, 2018 by 3.00 p.m.**

Interested agency/firm may contact Mr. Ashok Kumar, Director, BEE (Tel: (+91)-11-2617-9699, Fax: (+91)-11-2617-8352, Email: kumara@beenet.in for any clarification.

Critical Information

1.	Availability of RfP	31 st Jan, 2018
2.	Last date for Receipt of Queries on email	8 th Feb, 2018, 3.00 P.M.

3.	Date and time for pre bid meeting	12 th Feb, 2018, 3.00 P.M.,
4.	Venue for pre bid meeting	Conference room, BEE, 4 th floor, Sewa Bhawan, R K Puram, Sector-1, New Delhi
5.	Last Date for receipt of bid	By 3 PM on 5 th March, 2018.
6.	Validity Of RfP	180 days from the date of opening of financial bid
6.	Place, Time and date of opening of technical proposal	At 4 PM on 5 th March, 2018 Venue: Conference room, BEE, 4 th floor, Sewa Bhawan, R K Puram, Sector-1, New Delhi
7.	Place, Time and date of opening of financial proposal	This will be intimated to successful bidders after technical evaluation.
8.	Contact Person for queries	Dr. Ashok Kumar Director 4th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066, India Tel:(+91)-11-2617-9653, Fax: (+91)-11-26178352 Email: kumara@beenet.in
9.	Contact Person for Submission of RfP	Secretary, BEE 4th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066, India Tel:(+91)-112617-9691, Fax: (+91)-1126178352
10.	Mode of Tender	Open Tender
11.	Mode of Selection	L1 among Technically qualified bidders
12.	Type of Proposal Required	Technical and Financial
13.	Proposal Should be submitted in following language	English
14.	Reports, which are part of the assignment must be	English

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	written in the following language	
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15.	Taxes	bidders are requested to quote prices inclusive of all taxes unless stated Otherwise
16.	Currency	Consultant to state all costs in Indian Rupees (INR)
17.	Earnest Money Deposit (s)	5,00,000/- (INR Five Lakh only) in the form of DD drawn in favor of the Employer (Bureau Of Energy Efficiency) and payable at New Delhi
18.	Bid processing fees	Rs. 5,000/- (INR Five thousand only) in the form of DD drawn in favor of the Employer (Bureau Of Energy Efficiency) and payable at New Delhi
19.	Lead time for commencement of work.	10 days from the date of intimation of award of work to the successful bidders
20.	No. of copies of Technical and Financial Proposal	<p>Technical Proposal:</p> <p>Duly Signed Original (hard copy) – 1 No.</p> <p>Signed/Scanned PDF file (in a CD) – 1 No.</p> <p>Financial Proposal:</p> <p>Only 1 No. of duly signed original (hard copy) copy. File in soft copy shall NOT be submitted.</p>

BACKGROUND INFORMATION

3.1 The Energy Conservation Act, 2001

The Energy Conservation Act, 2001 forms the core of the legal framework put in place by India to promote energy efficiency and

conservation. EC Act came into force with effect from March 1, 2002. Some important sections of Act relevant to BEE are:

Section 1 – Short title, extent and commencement.

Section 2 – Definitions.

Section 3 – Bureau of Energy Efficiency-creation, administration.

Section 12 – Transfer of Assets and Liabilities of Energy Management Center to BEE.

Section 13 – Powers and functions of the BEE.

Section 14–Power of Central Government to Facilitate and Enforce Efficient use of Energy and its Conservation.

Section 15- Power of State Government to Facilitate and Enforce Efficient use of Energy and its Conservation.

Section 16 – Constitution of State Energy Conservation Fund.

Section 17 – Power of Inspection.

Section 18 – Power of Central Government to issue directions.

Section 26 – Penalties and Adjudication.

Section 52 – Power to obtain Information.

Section 56 – Power of Central Government to make rules.

Section 57 – Power of State Government to make rules.

Section 58 – Power of BEE to make regulations.

Section 62 – Power to remove difficulties.

3.2 About BEE

The mission of Bureau of Energy Efficiency (BEE) is to develop policy and strategies with a thrust on self-regulation and market principles, within the overall framework of the Energy Conservation Act (EC Act), 2001 with the primary objective of reducing energy intensity of the Indian economy.

This will be achieved with active participation of all stakeholders, resulting in accelerated and sustained adoption of energy efficiency in all sectors.

The setting up of Bureau of Energy Efficiency (BEE) provides a legal framework for energy efficiency initiatives in the country. The Act empowers the Central Government and in some instances the State Governments to:

- Notify energy intensive industries, other establishments, and commercial buildings as designated consumers.
- Establish and prescribe energy consumption norms and standards for designated consumers.
- Direct designated consumers to designate or appoint certified energy manager in charge of activities for efficient use of energy and its conservation.
- Get an energy audit conducted by an accredited energy auditor in the specified manner and intervals of time.
- Furnish information with regard to energy consumed and action taken on the recommendation of the accredited energy auditor to the designated agency.
- Comply with energy consumption norms and standards, and if not so, to prepare and implement schemes for efficient use of energy and its conservation.
- Prescribe energy conservation building codes for efficient use of energy and its conservation in commercial buildings State Governments to amend the energy conservation building codes to suit regional and local climatic conditions.
- Direct owners or occupiers of commercial buildings to comply with the provisions of energy conservation building codes.
- Direct mandatory display of label on notified equipment and appliances.

Specify energy consumption standards for notified equipment and appliance.

- Prohibit manufacture, sale, purchase and import of notified equipment and appliances not conforming to standards.

The Energy Conservation Act, 2001 defines the powers of the State Government to facilitate and enforce efficient use of energy and its conservation. The State Governments have to designate State Designated Agencies in consultation with the Bureau of Energy Efficiency to coordinate, regulate and enforce the provisions of the Act in the State.

Thus the State Designated Agencies are the strategic partners for promotion of energy efficiency and its conservation in the country.

National Mission for Enhanced Energy Efficiency

The National Action Plan on Climate Change (NAPCC), released by the Prime Minister on 30 June 2008, recognizes the need to maintain a high growth rate for increasing the living standards of the vast majority of people and reducing their vulnerability to adverse impacts of climate change. The Action Plan enunciates the following principles.

Protecting the poor and vulnerable sections of society through an inclusive and sustainable development strategy sensitive to climate change

Achieving national growth objectives through a qualitative change in direction that enhances ecological sustainability, leading to further reduction in emissions of GHGs

Devising efficient and cost-effective strategies for end-use demand-side measures

Deploying appropriate technologies for both adaptation to and mitigation of the adverse effects of emissions of GHGs extensively as well as at an accelerated pace

Engineering new and innovative forms of market, regulatory, and voluntary mechanisms to promote sustainable development.

The National Action Plan outlines eight national missions that represent multi-pronged, long-term, and integrated strategies for achieving key goals in the context of climate change. These missions are listed below.

1. National Solar Mission
2. National Mission for Enhanced Energy Efficiency
3. National Mission on Sustainable Habitat
4. National Water Mission
5. National Mission for Sustaining the Himalayan Ecosystem
6. National Mission for a Green India
7. National Mission for Sustainable Agriculture
8. National Mission for Strategic Knowledge for Climate Change

The National Mission for Enhanced Energy Efficiency (NMEEE) is one of the eight national missions with the objective of promoting innovative policy and regulatory regimes, financing mechanisms, and business models which not only create, but also sustain, markets for energy efficiency in a transparent manner with clear deliverables to be achieved in a time bound manner. NMEEE spelt out the following four new initiatives to enhance energy efficiency, in addition to the programmes on energy efficiency being pursued. These include:

- 1. Perform, achieve, and trade (PAT)**, a market-based mechanism to make improvements in energy efficiency in energy-intensive large industries and facilities more cost-effective by certification of energy savings that could be traded. Bureau of Energy Efficiency (BEE) under Ministry of Power (MoP) is implementing this scheme in 8 industrial sub-sectors namely- Thermal Power Plant, Aluminium, Pulp & Paper, Chlor- Alkali, Cement, Iron & Steel, Textile and Fertilizer.

2. **Market transformation for energy efficiency (MTEE)** by accelerating the shift to energy-efficient appliances in designated sectors through innovative measures that make the products more affordable.
3. **Energy efficiency financing platform (EEFP)**, a mechanism to finance DSM programmes in all sectors by capturing future energy savings.
4. **Framework for energy efficient economic development (FEEED)**, developing fiscal instruments to promote energy efficiency.

For the 1st 3-year cycle of PAT scheme (2012- 2015), 478 designated consumers (DCs) have been notified who would be required to reduce the Specific Energy Consumption (SEC) from their baseline values. The expected energy saving from this scheme is about 6.686 million ton of oil equivalent (millionTOE) over this cycle. Upon completion of the PAT Cycle I in March,2015, realized saving of 8.6 mtoe that amounted to about 30% more than the target. Presently, DCs of PAT Cycle I are in process of compliance and till date total of 737 DCs are included under PAT.

Terms of Reference (ToR)

4.1 Background

One of the components of NMEEE is Perform, Achieve and Trade (PAT), which is a market based mechanism to enhance cost effectiveness of improvements in energy efficiency in energy-intensive large industries and facilities, through certification of energy savings that could be traded.

Targets for improvements in energy efficiency will be set under Section 14 of the Energy Conservation Act, 2001 in a manner that reflects fuel usage and the economic effort involved. The Government, in March 2007, notified units in nine industrial sectors, namely Aluminium, Cement, Chlor-Alkali, Fertilizers, Iron and Steel, Pulp and Paper, railways, Textiles and Thermal Power Plants, as Designated Consumers (DCs).

PAT scheme has completed its 1st PAT Cycle (2012-2015). DCs have submitted their forms like FORM '1' for the 3 years, FORM 'A' on the PATNet portal. Evaluation of the FORMS at BEE's end has been done.

DCs who are over achievers have been issued Energy Saving Certificates (ESCerts) and DCs who are under achievers have been entitled to purchase ESCerts by MoP on PATNet portal only. Trading of the ESCerts is taking place on IEX i.e. Power Exchange between the under achievers and over achievers via D-CRM. Both the PATNet portal and D-CRM are active. The DCs have access to the PATNet portal but not to the D-CRM. Similarly, for the PAT Cycle II and PAT Cycle III, DCs will register themselves on PATNet and submit the forms online.

The D-CRM is totally dedicated for the stakeholders like Registry(POSOCO) and Power Exchanges(IEX & PXIL). Currently PXIL is not active but will be participating in the future Trading sessions.

4.2 Scope of Work

4.2.1 For Consultancy work.

1. The bidder will provide time bound end to end managed and support services for the period of **three years** under the PAT Scheme.
2. Support in designing and development of all the activities related to online filling of the Energy Returns forms for our Designated Consumers in current PAT Cycles and subsequent rolling cycles.
3. Developing a schematic work flow illustrating the flow of the data of the Designated Consumers in their respective PAT Cycles on the PATNet platform.
4. Developing the methodology of automatically bridging of the data from the PATNet to D-CRM for automatic data transfer. Database management and backup of the data is the responsibility of the consultant.
5. GUI aesthetic quality of the portal has to be suggested regularly by the consultant.
6. Exploring the future advancement in the current PATNet flow and D-CRM as per latest technology available. Future advancement in the terms of automatic data flow, mobile apps, full-fledged reports at each end, more user friendly.
7. Support in training and capacity building of all the stakeholders.
8. Documentation of the database of the ESCerts, procedural manual, operational manual, Up-gradation of the existing manuals.
9. The agency is required to provide the weekly status report, along with the quarterly status report of the analysis and work done to BEE.
10. Intellectual proprietorship of the source code and other documents related.

4.2.2 For development & up-gradation work:

1. The bidder will provide end to end managed services for the up-gradation of the existing BEE's PATNet portal and D-CRM. The up-gradation work will remain valid till the period of the contract. AMC will be done in parallel to it.
2. Develop & upgrade the work flow in the existing developed platforms. After obtaining sufficient understanding of the current platform (PATNet& D-CRM) bidder will start managing the current application.
3. For better monitoring and coordination, bidder shall have team of 7 members. The details are given on the page no 22. Brief detail is as follows: a team of 7 individuals out of which 2

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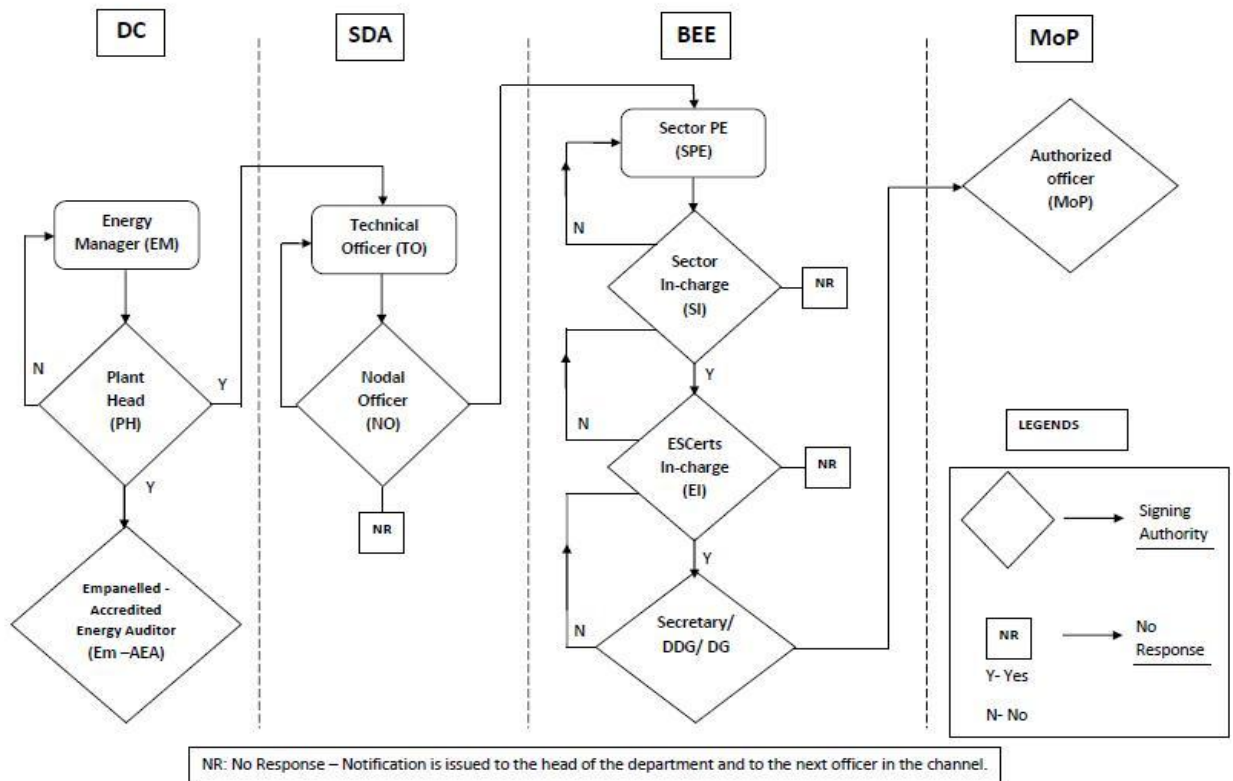
should have min exp. of 5+ years and 3+ years in D-CRM. Other 2 should have an experience of 5+ years and 3+ years in dot.net to support the application, development/up-gradation and technical issues & any modification as and when required by BEE on day-to-day basis till the expiry of bidder's maintenance contract of the existing system or the date as specified by competent authority through letter. 1 will be the resource for the POSOCO and 2 will be the program managers(for IT and Consultancy).

4. These personnel will sit in Consultant office but will be available on call basis. BEE reserves the right to call them either in BEE office or any other place depending upon requirement. But this call will be in Delhi NCR area only. One of the D-CRM person having an experience of about 3+ years will be deployed in POSOCO office.
5. All work related to software development existing and anticipated, and its maintenance shall be carried out by IT consultant. All hardware related issues for its operationalization shall be identified and sorted out by the Consultant.
6. Training will be provided to BEE officers about new developments in PATNet application and bidder will also provide the training material for the training purpose.
7. Training would be given to administrator for the admin related sections in CMS. The CMS architecture should be made in a systematic format which should be in the same form as designed on the portal.
8. Bidder shall carry out UAT and resolve bugs / deficiency found in the application before declaring any new development/features for Go Live.

4.2.3 Development of Disaster recovery mechanism for database safety.

1. All in all AMC support including day to day requirements of AMC, compilation of data, retrieval of data, minor changes in the portal functionalities etc.
2. Once developed, the system will be installed and deployed on the designated hardware. Consultant will then assist key users to perform
3. User Acceptance Testing (UAT) of the solution. BEE will test system using proxy users, and actual users will be added later. Consultant has to make proxy users for all major category and demonstrate to BEE.
4. Consultant shall conduct the security audit of BEE's PATNet& CRM portal. Software should be designed for the fail safe mode of operation. Software should be compatible for exchanging data with other related applications through standard data exchange formats.
5. Both of our current applications PATNet and D-CRM are running on physical servers placed in CDAC. The same will be transferred to the virtual servers (NIC cloud). The agency has to do the detail analysis of the applications and monitor the compatibility before transferring the applications on e-cloud. **The agency will be responsible for transferring our applications on the e-cloud successfully. If required after the evaluation that we may have to shift from D-CRM 2011 to any latest version or any other new requirements exist, then consultant shall assist and guide BEE for the procurement/replacement of the applications and its related softwares. The procurement will be done by BEE.** Our current PATNet is working on SQL2008 and version of the D-CRM is 2011.

4.2.4 PATNet overview and its work flow:



Roles of Entities Involved:

EM: EM of a particular DC shall be responsible for achieving the settarget for that DC for the each PAT cycle. EM shall fill the required data in the PERFORMA and FORM A, B, D within the specified time.

PH: PH is the person nominated by board of director of a particular DC, who shall be the authorized signatory and be responsible for his action on behalf of that DC for PAT Scheme. He shall be responsible to send the PERFORMA and FORM A, B, D to the SDA within the specified time.

AEA: AEA is the Accredited Energy Auditor appointed by DC, who shall be authorized by PH to access and verify the PERFORMA/FORM 1.

TO: TO is the technical officer appointed by SDA, who shall be responsible to check the data filled in FORM A with the PERFORMA data.

TO shall also verify the data filled in FORM A, B, D, with the data uploaded on PATNet in the respective forms.

NO: NO is the nodal officer is the key person appointed by SDA, who is responsible to coordinate with DCs, BEE and Adjudicating officer. He shall send the hard copy of PERFORMA and FORM A, B, D, duly checked by TO to the respective SPE in BEE.

SPE: SPE is the sector Project Engineer for each sector. SPE shall be responsible to cross – verify the details provided in PERFORMA and FORM A, B, C, D with guidance of Advisory Panel. The Advisory Panel consists of group of experts for each sector.

SI: SI is the sector In charge, who is the head for that specific sector. He shall be responsible for the authentication of all data filled in the Forms and data uploaded on PATNet and shall be the authorized signatory for all forms for that particular sector. He shall be responsible to submit a hard copy with detail of energy saved in mTOE in a particular year and type of penalty to be levied, if any for each DC of that sector. SI will send the DCs list of his respective sector to the EI for the issuance of ESCerts.

EI: EI is the ESCerts in charge, who shall be responsible to send online recommendation of the ESCerts quantity received from the SI to the DG, BEE. He/She will cross verify the data both in the hard copy and online data available on the PATNet, if both the data of number of ESCerts matches then EI will send the ESCerts quantity to DG, BEE for sending it to MoP recommending to issue ESCerts

DG: DG shall approve the hard copy with the details of number of ESCerts to be issued for each DC with the online number of ESCerts (negative/positive) so that he can send the same to MoP recommending to issue/entitle to purchase the ESCerts.

4.3 Timeline:

- (i) Duration of the project shall be of 3 years. All the up-gradation work will be done in these 3 years as and when required. AMC will start in parallel to the development work.

S.NO	Deliverables	Timeline
1.	a). Submission of understanding and review report, work plan along with time schedule. b). Suggestions and review to up-grade the platform. c). AMC	Quarter 1 Year 1
2.	a). Conclusion of the UAT, Submission of security Audit Report before hosting and after hosting.	Quarter 4 Year 1

	b). AMC	
3.	a). All the major development of PATNet Portal and D-CRM portal like PAT II DCs registration, Forms submission online, Submission of Application Source Code. b). AMC	Quarter 2 Year 1
4.	a).Submission of Technical reports and suggestions on development and up-gradation in comparison with the old platform. b). completion of training of relevant individuals and teams and continuing with AMC.	Quarter 3 Year 1
5.	a). Development of PAT Cycle III DCs forms. User Manuals for the PATNet and D-CRM. b). AMC	Quarter 4 Year 1
6.	Final successful operationalization and conclusion of AMC. Submission of final report on all work flows and transfer of source code.	Quarter 4 Year 3

(ii) Maintenance & ongoing support

All in all Maintenance support for the current and upgraded portal and dynamic CRM for 3 years. Consultant has to provide support for maintenance and upkeep of current operations from signing of contract till the completion of the contract, to ensure bug free operations and rapid adoption of the system by the different users. After the up-gradation of portal and Dynamic CRM, contract shall be continued along with AMC of upgraded BEE PATNet and dynamic CRM portal for the remaining period of three years. All in all AMC support including day to day requirements of compilation of data, retrieval of data, minor changes in the portal functionalities etc. The AMC work will start in parallel to the development/up-gradation work. And, Agency will upgrade the existing User Manual time to time.

(iii) Additional Upgradation

Additional up-gradation of BEE's PATNet Portal and D-CRM website by engaging the same composition of team for a period of one month in the remaining period of the contract after successful completion of first upgradation defined above. This requirement is a futuristic assignment based on the feedback from various stakeholders and additional functionality requirements of portals. Consultant has to offer the percentage rate for monthly engagement of the same team for a full assignment of one month on the basis of As and When Required. BEE intimate one month in advance to the consultant for such assignment and consultant have to engaged the team. Actual number of such assignment may vary as per requirement of BEE. Additional upgradation work shall similar activities like upgradation part mentioned above along with security audit, UAT, transfer of source code, hosting, operationalization etc.

4.3.1 The D-CRM and Portal should have the following security features:

1. Compliance with Guidelines for Government of India Websites, updated version and also comply with WCAG 2.0 standards for minimum level A.
2. Free from OWASP 2013 Top 10, Vulnerabilities. Captcha to be implemented to prevent password cracking tools.
3. Protecting against DoS attack targeting application like locking of the application
4. Secure mechanism of changing the password in lost/forgotten scenario.
5. Audit trail should be enabled on the portal, so that the administrator can see the successful and unsuccessful logon, with time, IP attempts on the portal.
6. Portal should be able to generate mail Alert and also historical report in the security report viewable to the administrator containing the Time, IP address of attackers, the page under attack, and the parameter under attack with the attack values. The attacks may be identified by any change in the parameter value not available on the portal. E.g. page.asp? parameter=2; If the value 2 gets changed to anything invalid number say N which does not produce proper view or it contains SQL Injection, XSS strings.
7. There should be a provision of blocking any IP or Network by assigning IP Address range from accessing the pages of admin module of the portal; also the main portal. So that identified attackers can be blocked.

8. The admin module, uploader module should be in separate folder so that HTTPS can be configured on the functionality that requires login action to be done.

The development platform shall be as under, subject to the compatibility & integration with BEE's existing portals and configuration of our servers:

1. Microsoft .Net Framework 4.0 for DCs and other users on PAT net Portal(or the latest version as available at the time of development following award of the contract).
2. Microsoft Dynamic CRM 2011 for BEE,SDAs and others.
3. Database – Microsoft SQL Server 2008 (or the latest version as available at the time of development following award of the contract)
4. The portal access is to be compatible with Internet Explorer 7.0+, Mozilla Firefox 3.0+, Google Chrome 4.0+, Opera 9.0+ (or the latest versions as available at the time of development following award of the contract).
5. It is mandatory for the selected agency to carry out the security audit for the PATNet and D-CRM and weed out the vulnerabilities and provide a 'Fit to host' certificate which is to be hosted on NIC cloud server.The design (layout, CMS pattern) of the portal will be discussed in depth with the selected vendor.

The bidder should be a partner of the OEM who SSL product it intends to use. Information broacher /product catalogue must be attached with the quotations clearly indicating the product quoted for.

4.4 TRAINING

Proper training has to be provided to BEE staff as well as to other stakeholders (Registry, SDA's , PX's and DCs) handling to be able to operate the PAT Net portal and CRM portal with ease. Training has to be given to all the stakeholders like BEE officials, Registry, PX's & SDA's, designated consumers and others at various parts of country.

Approximately there will be 2-3 workshops in each state. Travel cost & logistic cost of trainer will be paid separately based on actuals.

4.5 Server Details:

The details of current server & OS are as follows (Resources to be used for both portal). Any further details as and when required will be provided to you. Although we are in process of shifting the applications from physical server to virtual e-cloud servers. Details are as follows:

Intel X3650

REHL 5.5

S.No.	OS	Application Running	Configuration
1.	WINDOW 2008	PAT CRM Server	Dual Core 3GHZ CPU,8GB RAM, 140 GB HDD 600 GB external HDD
2.	Windows 2008	PAT CRM Mirror Server	Dual Core 3GHZ CPU,8GB RAM,140 GB,260 GB HDD

4.6 General Instructions:

1. The CRM portal and PAT Net Portal should be designed in such a way so that its load time does not exceed 3 seconds and it should be able to handle large number of concurrent users with ease.

2.It is to be noted that the portals will undergo future developments and enhancement activities and various portals will be integrated with the portal. The development and maintainability of the portals should be such that there should be no glitch in doing the same.

4.7 SECURITY AUDIT

- **Scope of Work for security audit:**

It is to be noted that the following are to be carried out for both CRM portal as well as PAT Net Portal.

1. Conduction of Security Audit of oath portal and portals for Safe to Host Certification.
2. The firm would conduct Third-party testing meeting government and industry compliance standards such as OWASP, SANS top 20, ISO27001 etc.
3. Web Application Audit & Vulnerability management of the web enabled applications has to be strictly done as per the guidelines issued for Third party Audit by Cert-in.
4. Web-enabled Application is to be audited as per OWASP 2013 standards.

- **Repeat Audit:**

The audit has to be carried out in at least three stages. Vulnerabilities have to be identified in first stage, the same to be rectified and then report the process in second and third stage (carry out more iterations if required).

In case of any addition of new applications to the site/ scripts on HTML pages or modifications in the existing application/ environment in the site, the site shall be referred for a repeat audit. This does not include changes in the contents of HTML pages or addition of purely static HTML pages. The repeat audit may be given for one to three repetitions.

- **Security Audit stages:**

These are the broad stages; however this is not a detailed or exhaustive procedure. The audit has to be carried out according to the Cert-in guidelines and documentation done accordingly.

1. Check various web attacks and web applications for web attacks.
2. Validator Input output.
3. Session management/Strong session tracking.

- **Mandatory Eligibility Condition for security audit on eligibility criteria:**

1. The vendor/ organization should be empanelled security Auditors on Indian Computer Emergency Response Team (CERT-In), under the Department of Information Technology, Government of India.
2. The bidder should be a company registered under Indian Companies Act, 1956 or a partnership firm registered under Indian Partnership Act, 1932 or a Proprietorship firm. A bidding firm should be an individual corporation/ company.
3. Preferably three years of experience in IT Security Auditing work as per the scope outlined by cert-in.
4. Should have carried out at least five IT Security Audits, preferably two of which should be in the last 12 months in line with the scope outlined by cert-in.
5. Web Application Audit & Vulnerability management of the web enabled applications and portals has to be strictly done as per the guidelines issued for Third Party Audit by Cert-in.
6. The firm would conduct Third-party testing meeting government and industry compliance standards such as OWASP, SANS top 20, ISO27001 etc.

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7. Web-enabled Application is to be audited as per OWASP2013 (www.owasp.org) criteria.

- **Other related Deliverables:**

Security audits are to be conducted in iterative cycles (may be called a level) of testing and code correction till identified "Safe for hosting ". The report must include Summary/Checklist of vulnerabilities identified with subsequent correction status.

Non-functional links are to be tested after restoring functionality instead of just being reported as observations on non-functional URL.

Application Audit & Vulnerability Audit of the web application/portal.

Comprehensive Reporting with Management / Technical Reports.

Recommendations on the counter measures.

Guidance to the Software developers/departments for removal of the vulnerabilities detected.

Audit Report as per the guidelines issued by GOI. The information security audit report from the information security auditor should clearly state that these WebPages, including the backend database and scripts, if any, are free from any vulnerability and malicious code, which could be exploited to compromise and gain unauthorized access with escalated privileges into the web server system hosting the said portal.

Auditor should have clarity in explaining and documenting the limits and dangers of the security test. The agency will also assist BEE in hosting the portal and portal to CDAC after completion of security audit.

5.0 ELIGIBILITY CRITERIA

The Bidder should be a company registered under the Companies Act, 1956 and in operation in India for at least 5 years as on 01.09.2017 and should have their registered offices in India.

The Bidder must possess a valid: -

- i. Company Registration Certificate
- ii. VAT/ Sales Tax Registration Certificate
- iii. Service Tax Registration Certificate
- iv. PAN Number
- v. The Bidder should deposit Earnest money and Tender fees (unless already paid for) along with the Technical bid. The bid received without the same will be summarily rejected.
The EMD for the MSME's is **exempted** as per government norms.
- vi. The Bidder must be a profit making company and should have positive net worth in each of the last three financial years as on March 31, 2016.

Request for Proposal for up-gradation & development work of D-CRM & PATNet and consultancy services

- vii. The Bidder should have annual turnover of at least INR 30 Crore for the last three fiscal years as on March 31, 2016.
- viii. The Bidder should have attained the following certifications as on date of submission of the RFP.
- ix. CMMi Level 3 Certification
- x. ISO 27001 certificate for Infrastructure Hosting service.

5.1 Team Profile:

5.1.1 Bidder must have a minimum 7 number of team members for up-gradation work, however to meet timelines of up-gradation work as per BEE requirements, team members can increase. Bidder has to submit their complete CV as per attached format. The minimum composition for team is given below:

S. No	Designation	Exp	Number	Qualification	Project Experience
1	Project Manager IT	7+ Years	1	B.Tech/Mtech in IT or BCS/MCA	Executed atleast 3 projects on CRM
2	Project Manager Consultancy	10+ years in IT consultancy	1	M. Tech with B. Tech in IT/ Software Services	Atleast worked on 5 projects
3	Software Engineer/developer (dedicated resource for BEE)	5 Years	1	Dynamics CRM experience	Executed atleast 2 projects on D-CRM
4	Software Engineer/developer (to be seated in registry POSOCO)	3 Years	1	Dynamics CRM experience	Executed atleast 1 projects on D-CRM
5	Software Engineer/developer	5 Years	1	Experience in dot net and SQL language development work	Execute 2 project of dot net and SQL
6	Software Engineer/developer	3 Years	1	Experience in dot net and SQL language development work	Execute 1 project of dot net and SQL
7	Consultant (dedicated resource for BEE)	5 Years	1	MBA with B. Tech/BCA/MCA	Atleast worked on 2 Projects

5.1.2 Necessary documents along with CVs of the officials should be provided to substantiate the claim.

5.1.3 Bidder shall ensure that the team proposed in the proposal would be deputed during the actual execution of the project. For any change of staff, involved in the execution of this project, a prior permission must be taken from BEE. The qualification and the minimum experience of the proposed new staff, in no condition, can be less than the previous staff.

5.1.4 Any unapproved change of man power would make the bidder liable to disqualification. The bidder must submit an undertaking on behalf of the team leader of each proposed team leader stating that during the period of execution of this project. Failing to comply with this requirement bidder will be liable to blacklisting.

5.1.5 The Bidder shall not be under a Declaration of Ineligibility for corrupt or fraudulent practices with any Government departments/ agencies/ ministries or PSU's and should not be blacklisted as on 31st March, 2017.

5.1.6 The Bidder should have successfully completed the implementation of a minimum of 3 Portal / Web Experience Management solution in the last 5 years. In case of ongoing projects at least one year of Operation and Maintenance after Go-live should have been achieved as on 31st March, 2017.

5.1.7 The Bidder should have prior experience of handling at least 3 similar assignments as System Integrator in last 5 years. Here, 'System Integrator' role shall necessarily include following two:

- a). Portal Development & Maintenance
- b). Content Management Services

5.1.8 Duly Executed Power of Attorney in favor of Authorized signatory of the Bidder or copy of board resolution duly authorizing signatory for signing this bid.

5.1.9 OEM Authorization Certificate.

The bidder should have at least 50, IT professionals on its rolls as on the date of submission.

5.2 Proposals

Preparation of proposal

The proposal should include the following:

Part A: Technical Proposal (Envelop-A):

- (i) Organization background information with experience details.

- (ii) Organization's suitability for this activity.
- (iii) Proposed Methodology/workplan for carrying out this work.
- (iv) CVs of Team Members including their roles in the project.
- (v) Subcontracting arrangement will not be permitted. In case of consortium, nos. of partner organizations should not be more than 2. The organization submitting the proposal would be considered as the major one and would be contact point for BEE.
- (vi) Documents required as per clauses of RFP.
- (vii) Details of infrastructure available.
- (viii) Names and contact information of two previous government agency clients.
- (ix) Necessary Documents should be provided to substantiate the claim.

Part B: Financial (Envelop-B)

Financial offer should only indicate price without any condition or qualification whatsoever and should include GST(as applicable) fees, levies, and other charges levied by Central & State Government/ government bodies, as may be applicable in relation to activities proposed to be carried out. If there would be any increase in the GST, levies, duties, fee and other charges during tenure of the contract, the financial burden of the same shall be borne by the bidder. Financial Offer in respect of the above assignment must be **valid for 180** days from the date of opening of the Financial Offer. Bidders should express the price of their services in Indian currency only. **Format for financial proposal is enclosed as Annexure-11.5.**

Submission of Proposal:

The proposal shall be typed and shall be signed by the head or a person duly authorized to bid by bidder agency. All pages of the offer, except for un-amended printed literature, shall be initialed by the person or persons signing the offer.

The EMD as indicated in the data sheet shall be placed in a sealed envelope clearly marked "**EMD**". The EMD shall be furnished in the form of DD drawn in favor of "**Bureau of Energy Efficiency**", payable at New Delhi.

Proposals from Firms should be submitted in two distinct parts, technical & financial.

The original hard copy and soft copy of the complete set of Technical Proposal shall be placed in a sealed envelope clearly super scribed "**TECHNICAL PROPOSAL: (Envelop-A)**"

The original hard copy of the Financial Proposal shall be placed in a sealed envelope clearly marked as **“FINANCIAL PROPOSAL(Envelop-B)”** and warning **"DO NOT OPEN WITH THE TECHNICAL PROPOSAL"**.

All the envelopes (EMD envelope, technical proposal envelope and single/multiple no. of financial proposal envelopes) shall be placed into an outer envelope and sealed. This outer envelope shall bear the submission address and should be super scribed with the wordings

“Request for Proposal (RfP) for Up gradation/development work of D-CRM &PATNet and consultancy services.” of BEE’s PAT Net Portal and Dynamic-CRM ”and shall also be clearly marked **"DO NOT OPEN, EXCEPT IN PRESENCE OF THE EVALUATION COMMITTEE"**.

The completed Technical and Financial Proposal must be delivered at the submission address on or before the time and date stated in the data sheet. Any proposal received after the closing time for submission of proposals will not be considered for participation.

This envelope shall be sent to The Secretary, Bureau of Energy Efficiency, 4th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066.

Non-compliance to the above process will be liable to rejection.

6.0 SELECTION OF BIDDER

Preliminary Scrutiny

Preliminary scrutiny of the proposal will be made to determine

whether they are complete, whether required processing fee and EMD has been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

Proposals not conforming to such preliminary requirements will be prima facie rejected.

B

A committee will evaluate the above proposals **(technical)** based on the qualifications specified below-

S. No.	Parameter	Criteria	Weightage
1.	Technical qualification**	a) Experience of IT company in IT projects (software development and maintenance) with government/ semi government projects. Completion certificate or copy of work orders to be submitted.	40
		b) Experience of team officials	20
		c) Experience of company in IT consultancy including architecture for dotnet and DCRM applications	20
		d) Approach & methodology submitted by bidder for project.	20
		Total	100

** Cutoff marks for technical Qualification is 70.

Qualification Criteria of Individual Agency / firm and Consortium of Agency / firm

The agency / firm being considered for the above work must fulfill the criteria mentioned in Para 6 of the RfP. Necessary documents along with Forms and CVs of the officials should be provided to substantiate the claim. The Evaluation Committee would be evaluated the Technical

Proposal on the basis of the information provided in ENVELOPE-A along with the prescribed documents. ENVELOPE-B of the financial proposal shall be opened only for bidders who have been found successful after evaluation in terms of the outlined criteria, meeting a minimum technical score of 70 marks on the information furnished in

Request for Proposal for up-gradation & development work of D-CRM & PATNet and consultancy services

ENVELOPE-A. The bidder who will score more than 70 marks shall be invited for giving

presentation in front of the technical committee. For presentation 50 marks have been allocated. Those bidders who will score more than 30 marks shall be qualified in technical evaluation and their financial bids shall be opened.

To assist in the scrutiny, evaluation and comparison of offers, the Bureau may, as its discretion, ask some or all bidders for technical clarification/presentation of their offer.

- A. To speed up the tender process, the Bureau, at its discretion, may ask for any technical clarification to be submitted by the consultant. BEE reserves the right to analyze and alter the evaluation/selection criteria.
- B. On completion of the evaluation of the technical and financial offers, the Bureau shall issue Letter of Intent to the selected bidder.
- C. Within ten days of receipt of the Letter of Intent, the selected bidder shall enter into a contract with the Bureau in the prescribed format. The selected bidder shall also commence the assignment within ten days of receipt of Letter of Intent from the Bureau.
- D. If the bidder, upon selection, fails to enter into a contract, Bureau may invite the technically qualifying consultant who has ranked second in the aggregate financial offer for the award of the contract, and may also exclude the former from all future assignments.

BEE reserves the right to reject any or all of the bids without assigning any reason whatsoever.

7.0 GENERAL TERMS AND CONDITION

7.1 Cost of RFP

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

7.2 Contents of the RFP

The agency is expected to examine all instructions, forms, terms & conditions and Statement of Work in the RFP document. Failure to furnish all information required or submission of an RFP document not substantially responsive to the RFP in every respect will be at the Consultant's risk and may result in the rejection of the proposal.

7.3 Conflict of Interest

The agency/agencies that are selected for the work will have to maintain the

Request for Proposal for up-gradation & development work of D-CRM & PATNet and consultancy services

confidentiality of the information compiled. In no case the

agency/agencies would be allowed to use the data or share the information with anyone else, except for the BEE.

BEE shall hold the copyrights over any of the data collected or compiled during the course of the awards.

7.4 Language of Bids

The Bids prepared by the agency and all correspondence and documents relating to the bids exchanged by the agency and the Purchaser, shall be written in the English language, provided that any printed literature furnished by the agency may be written in another language so long the same is accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

7.5 Confidentiality

BEE require that recipients of this document to maintain its contents in the same confidence as their own confidential information and refrain from any public disclosure whatsoever.

Disclaimer:

BEE and/or its officers, employees disclaim all liability from any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of BEE and/or any of its officers, employees.

8.0 Authorized Signatory (agency/bidder)

The "agency/bidder" as used in the RFP shall mean the one who has signed the RFP document forms.

The agency should be the duly Authorized Representative of the agency, for which a certificate of authority shall be submitted. All certificates and documents (including any clarifications sought and any subsequent correspondences) received hereby, shall, as far as possible, be furnished and signed by the Authorized Representative. The power or authorization, or any other document consisting of adequate proof of the ability of the signatory to bind the agency shall be annexed to the bid. BEE may reject outright any proposal not supported by adequate proof of the signatory's authority.

9.0 Amendment of RFP

At any time prior to the last date for receipt of bids, BEE, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective agency, modify the RFP Document by an amendment. In order to provide prospective agency reasonable time in which to take the amendment into account in preparing their bids, BEE may, at their discretion, extend the last date for the receipt of Bids and/or make other changes in the requirements set out in the Invitation for Proposals.

9.1 Earnest Money Deposit (EMD)

All bids must be accompanied by a EMD of INR 5,00,000 (INR Five lakh only) in the form of a crossed demand draft drawn on any nationalized/ scheduled bank payable at par in New Delhi, in favor of "Bureau of Energy Efficiency, New Delhi" for applying for the task.

Proposals not accompanied by EMD shall be rejected as non-responsive.

No interest shall be payable by the Employer for the sum deposited as earnest money deposit.

No bank guarantee will be accepted in lieu of the earnest money deposit. The EMD for the MSME's is **exempted** as per govt norms.

The EMD of the unsuccessful bidders for a sector would be returned back within two months of signing of the contract.

9.2 Bid Processing Fees

The agencies / firms should submit a bid processing fee of Rs.5,000/- (INR five Thousand Only) at time of submission of the technical and financial proposal to BEE. The payment will be accepted in the form of crossed demand draft on any scheduled bank, payable at par in New Delhi in favor of Bureau of Energy Efficiency, New Delhi.

Disclaimer

BEE and/or its officers, employees disclaim all liability from any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of BEE and/or any of its officers, employees.

Except where otherwise specified in the contract, the decision of BEE shall be final, conclusive and binding on all agencies to the contract upon all questions relating to the meaning of the RFP specifications, scope of work, terms & conditions etc. here in before mentioned and as to the trustworthiness of measurement & suggestions, or as to any other question, claim, right, matter, or thing whatsoever in any way arising or relating to the contract, specifications, terms & conditions, orders, or otherwise concerning the works or the execution or failure to execute the same, whether arising, during the progress of the work or after the completion or abandonment thereof.

9.3 Disqualification

Bureau may in its sole discretion and at any time during the process of bidding, disqualify any bidder from the tender process if the bidder has –

Submitted the tender after the schedule date and time.

Firms not meeting eligibility criteria.

Made misleading or false representations in the forms, statements and attachments submitted in proof of the eligibility requirements.

If found to have a record of poor performance such as abandoning works, not properly completing the contract, inordinately delaying completion, being involved in litigation or financial failures, etc.

Submitted proposal which is not accompanied by required bid fees.

Failed to provide clarifications related thereto, when sought.

9.4 Termination of Contract

Bureau has its rights under the conditions of this RFP to terminate the contract of the agency at any time. The contract may also be terminated if the agency's performance or competence fails to meet the standards required for the assignment

9.5 Liquidated Damage

In case of delay at any stage in execution of the contract due to reasons solely attributed to consultant beyond the time schedule as agreed or any extension thereof granted by BEE @ 0.5% (half percent) per week of the payment due to that stage subjected to maximum of 10% of the total value of payment due for that stage will be imposed.

9.6 Performance security

The successful bidder would be required to deposit an amount equivalent to 10 % of the value of the contract. This may be furnished by the way of Banker's Cheque or Demand Draft (drawn in favor of "Bureau of Energy Efficiency", payable at New Delhi) or Bank guarantee in favor of "Bureau of Energy Efficiency" payable at New Delhi. Performance security shall remain valid for a period of sixty days (60 days) beyond the date of the completion of all contractual obligations of the successful bidder.

The performance security will be returned after adjusting for penalties on account of deficiencies, if any, in the performance of the contract.

10. Payment Schedule:

The Payment shall be given to the bidder on quarterly basis (of the actual quoted amount). This quarterly payment will include development cost and under AMC the reports & suggestions and completion of work in that quarter.

The successful bidder will be given an advance payment i.e. 10% of the actual quoted amount of the project after signing the project with BEE and subsequent submission of the Form D.

11.0 RFP FORMS

The proposal is to be submitted in the following format along with the necessary documents as listed. The proposal shall be liable for rejection in the absence of requisite supporting documents.

11.1 RFP Form 1: RFP Letter Proforma

To,
The Secretary
Bureau of Energy Efficiency
4th Floor, Sewa Bhawan,
R.K. Puram,
New Delhi -110066
India

Sir/ Madam,

Sub: Proposal for up-gradation & development work of the D-CRM & PATNet and consultancy services.

The undersigned is the authorized representative of the (Name of Bidder), having read and examined in detail the complete RFP document in respect of selection of for Upgradation & development of D-CRM and PAT Net Portal and consultancy services for BEE do hereby express their interest to provide services and support as specified in the scope of work.

Details about the organization

Request for Proposal for up-gradation & development work of D-CRM & PATNet and consultancy services

Format for providing details about the Organization:

1.	Name of the Organization	
2.	Address with phone, fax and email	
3	Year of establishment	
4	Name & Designation of the Head of the Organization	
5	Official website	
6	Whether you have offices across the country(Y/N)	
7	If Yes, Please give details.	

enclosed the following:

RFP Form 2: Eligibility and Other details.

RFP Form 3: Prior Experience.

RFP Form 4: Declaration Letter.

EMD of INR 5,00,000 (INR Five Lakh only).

Bid processing fee of INR 5,000/- (INR five Thousand only)

(Bidder shall mention the Form No. clearly over the respective enclosure of the technical proposal and EMD & Bid processing DD should be placed in separate envelop and not in the envelop of financial bid)

We hereby declare that our Proposal is made in good faith and the information contained is true and correct to the best of our knowledge and belief.

Thanking you,

Yours faithfully

(Signature of the Authorized Representative)

Name :

Designation :

Seal :

Date :

Place :

Business Address:

Witness:

Signature _____

Name _____

Address _____

Date _____

Signature _____

Name _____

Designation _____

Company _____

Date _____

11.2 RFP Form 2: Eligibility and Other Details

1	Name of Firm/Company			
2	Year and Place of Registration/Incorporation			
3	Prior experience in the field of portal development and maintenance.	Yes OR No		
	If, Yes Details of experience			
4	Total Number of years of work experience in related to portal development and management activities			
5	Number of Employees in India as on June,2017			
		FY 2013-14	FY 2014-15	FY 2015-16
6	Annual Turnover from Consultancy Services**			

* Enclose a copy of Registration document

** Enclose a copy of Audited Financial Statement

Witness:

Consultant:

Signature

Signature

Name

Name

Address

Designation

Company

Date

Date

11.3 RFP Form 3: Prior Experience

List of clients to whom services have been provided.

Note: Please attach the completion certificate or copy of the work order executed in the name of the project please.

Witness:

Consultant:

Signature

Signature

Name

Name

Address

Designation

Company

Date

Date

Request for Proposal for up-gradation & development work of D-CRM & PATNet and consultancy services

11.4 RFP Form 4: Declaration Letter

Declaration Letter on official letter head stating the following:

We are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this contract.

We are not black-listed by any Central / State Government / Public Sector Undertaking in India

Witness:

Consultant:

Signature

Signature

Name

Name

Address

Designation

Company

11.5 RFP Form 5: Format for Financial Proposal

[Location, Date]

FROM: (Name of Firm)

TO: (Name and Address of Client)

Subject: Financial proposal for Upgradation & development of D-CRM & PATNet Portal and Consultancy services.

I / We, the undersigned, offer to provide the services for the above in accordance with your Request for Proposal dated [Date], with our Technical and Financial Proposals.

Our Financial Proposal is for " Upgradation & Development of D-CRM & PAT Net Portal and consultancy services including 3-year maintenance services to both" is as follows.

S. No.	Activity	Quantity (a)	Unit (b)	Cost (inclusive of all taxes) (c)	Total (d= a*c)
1	Upgradation & development of D-CRM & PATNet and consultancy services Assistance to host it on the BEE server. Security Audit and 'Fit to host Certificate'. Training & Capacity Building Three year All in All maintenance of the CRM website and PATNet portal including data compilation and minor modifications.	(Lump-sum Cost)			

Request for Proposal for up-gradation & development work of D-CRM & PATNet and consultancy services

Our financial proposal shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the Proposal, i.e., [Date].

We confirm that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:


Name of the Firm:

Seal:

Annexure



BUREAU OF ENERGY EFFICIENCY
A statutory body under Ministry of Power, Government of India



NMEEE	PAT Scheme								
<p>National Mission on Enhanced Energy Efficiency</p> <p>Objective of the mission: National Mission on Enhanced Energy Efficiency (NMEEE) is one of the eight missions which form India's National Action Plan on Climate Change (NAPCC), formulated in the year 2008. The objective of this mission is to unlock energy efficiency opportunities through market based approach, estimated to be about Rs. 74,000 crores, annual fuel savings in excess of 23 million toe by 2014-15 and cumulative avoided electricity capacity addition of 19,000 MW.</p> <p>NMEEE is comprising of following 4 components:</p> <p>1. Perform, Achieve and Trade (PAT): This is a regulatory instrument to reduce specific energy consumption in energy intensive industries, with an associated market based mechanism to</p>	<p>PAT I Cycle:</p> <p>The Perform Achieve and Trade(PAT) is a market based mechanism to reduce the specific energy consumption in energy intensive industries. This is facilitated through the trading of ESCerts which are issued to those plants who have overachieved their targets. Those plants who were under achievers of their targets are entitled to purchase ESCerts.</p> <p>The first cycle of PAT was completed in March 2015. Thereafter verification of the performance of DCs with regard to energy savings and based on recommendations made by BEE the Ministry of Power issued 38.24 lakhs(approx) ESCerts to 306 DCs on 16th Feb 2017. 110 DCs have been entitled to purchase 14.23 lakhs(approx) ESCerts. The DCs have contributed to the success of PAT cycle I and this cycle has witnessed an energy saving of 8.67 million tones of oil</p>								
Sectors									
<ul style="list-style-type: none"> • Thermal Power Plant • Cement • Chlor-Alkali • Pulp & Paper • Petroleum Refinery • Electricity Distribution Companies 	<ul style="list-style-type: none"> • Fertilizers • Iron & Steel • Textile • Aluminium • Railways 								
<p>Summary of DCs becoming eligible entities for trading of ESCerts</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Total DCs registered with Registry till date</td> <td style="text-align: center;">126</td> </tr> <tr> <td>Total DCs whose application is under process for approval from Registry</td> <td style="text-align: center;">95</td> </tr> <tr> <td colspan="2" style="text-align: center;">For further details please click here</td> </tr> <tr> <td>You are Visitor number</td> <td style="text-align: center;">6780</td> </tr> </tbody> </table>		Total DCs registered with Registry till date	126	Total DCs whose application is under process for approval from Registry	95	For further details please click here		You are Visitor number	6780
Total DCs registered with Registry till date	126								
Total DCs whose application is under process for approval from Registry	95								
For further details please click here									
You are Visitor number	6780								

Sign-in to BEE PATNET - Portal



User ID

Password

Captcha

V Y R Y Y

[New User](#) | [Forgot Password](#)

tity for trading of ESCerts commenced on 14th July 2017

Important Links :

See more information on :

- [Bureau of Energy Efficiency](#)
- [Ministry of Power](#)
- [Registry](#)
- [Knowledge Exchange Platform : Transmitting Knowledge Through Best Practices](#)
- [PAT Workshop](#)
- [Important Documents related to PAT](#)

Contact Details :

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