Appendix 1A- Functional Specifications - Scoring Sheet

Instructions of Filling up of Appendix

BC	Description
S	Standard feature. Required features readily available and to be provided by the bidder. Available from Day 1
C	Customization required. Bidder will provide the customization with the stipulated date (as per the project timelines provided in the RFP)by NABFINS

Marks for specifications for will be allotted against the responses to each of the point mentioned as per the

Scale	Description
10	S- Standard feature
6	C - Customization required.

Sheets will be scored on S/C scoring pattern, as per the above table.

Each line item in the functional specifications mentioned in Appendix 1A carries 10 marks. The marks allotted to the responses of the Bidder by the NABFINS, would be reduced to a scale proportionate to the marks allocated for the functional evaluation.

Notes

1	Bidder is expected to provide for all requirements irrespective of the functionality of the solution proposed. Hence the overall cost must include all the requirements where the rank provided is S or C or Yes.
2	In case the Bidder fails to provide a " Bidder Compliance" against any of the line items the response would be considered as incomplete and may not be scored, at NABFINS's discretion
3	Bidder is expected to provide the response by filling up the columns "Bidder' Compliance (BC)" and "Bidder Remarks" only. Bidder is advised not to make any changes to any information on the RFP documents for example insert a row or delete a row or modify any other information like change the functionality required, etc.
4	Every requirement needs to be treated as an individual requirement and should not be clubbed with any other requirement and the Bidder needs to provide a "Bidder's Compliance" for that individual requirement, in case the Bidder clubs the requirements the response would be treated as incorrect .
5	The Evaluation Committee decided by the NABFINS would be marking this annexure already scored by the bidder and would be appropriately assigning the final marks. The NABFINS will have the discretion to change the marks against the Bidder's scored line item if the bidder/OEM is not able to showcase the same in Product walkthrough or Presentation.
6	The marks allotted to the responses of the Bidder by the NABFINS after carrying out the above steps above would be reduced to a scale proportionate to the marks allocated for the functional & technical evaluation for the respective module.

S. No.	Modules	Functional Requirement	Bidder's Response (S/C)	Bidder's remarks
1	Lead generation	Solution will receive and manage leads i.e. real time customer acquisition from multiple sources through web form, API, MobileApp or a widget and will assign unique Lead IDs to the validated leads received. The system should enable users to bulk upload leads into the system. System will perform dedupe before lead creation. Logic of dedupe will be provided by bidder as per NABFINS requirement and same should be configurable based on product/region/groups etc.		
2	Lead generation	Solution should be able to display the product features/brochure, document & requirement checklist and should be available to: a) Customers b) Staff members c) Any other users – like third party sourcing channels etc. d) Business & Development Correspondents/Facilitators e) Institutions		
3	Lead generation	Solution should have front end calculators including but not limited to EMI calculator, Loan eligibility calculator, Repayment schedule generator, EMI/NMI ratio calculator, Member wise group financing calculator (SHG, JLG, SLI, Agri products, TL, DL, Direct Linkage) etc. for specifying the loan eligibility by the front-end staff as well as staff of subsidiaries/third party sourcing entities/institutions/B&DC/B&DF		
4	Lead generation	Solution should allow automatic fetching of the customer data (360 degree profile of individual customer & groups) for an existing customer: - Customer Profile - Exposure Details - Existing Details - Regular/OD/NPA/Blacklisting of borrowers - Or any other relevant details already present with NABFINS		
5	Lead generation	Solution will have omnichannel customer journey from start, resume and completion ability cross platform.		
6	Lead generation	Solution should support Sales assisted customer acquisition mode, tagging the required details of B&DC/B&DF/Employee with the lead/application		
7	Lead generation	In case of new loan or higher loan amount requirement, solution should enable customer to: A. Request for new loan or higher amount if required B. Upload additional income documents C. Provide co applicant details		
8	Lead generation	Solution should support the following for lead creation and generation: a. Manual Lead Creation through UI (Web/Mobile) b. Bulk Lead Creation through Excel sheet upload c. Lead Creation through integration with website, Mobile apps, Business Correspondents (BC), Business Facilitator(BF), Direct Selling Agent (DSA), online lead providers such as BankBazaar & Paytm d. Automatic/ Manual lead assignment to users/branches based on pre-defined logic like PIN code, type of lead etc. e. Manual Lead Assignment/Re-assignment f. Lead De-duplication g. Capture Detailed information of the lead h. Add and modify lead details i. upload/modify documents j.Initiate leads for multiple products through single application k.Unique Lead ID generation and communication to customers. Searching based on the Unique Lead ID or other defined parameters with full/ partial matching. Full/partial matching option should be configurable l.Capture details of the source of the application with details like Relationship manager/ Front line manager, BC, DSA, BF, Credit Managers, branch, sourcing location etc.		

9	Lead generation	General Features should be provided in the solution across the products, customers, journeys, user types etc.: • Unique Lead ID generation • Lead Tracking • Monitor Lead status, define SLAs, TATs, Escalation Matrix • Automatic reminders for follow-up • Automatic internal and external notifications based on different events • 360 degree view of the lead details • Upfront/Processing fees / charges reminder • Audit Trails for each steps/modifications		
10	Lead generation	Solution should have the ability to capture details of the sourcing entity including but not limited to Branch Managers, Frontline staff, BCs, BFs, sanction & review officers or any other relevant 3rd party responsible for lead sourcing etc.		
11	Lead generation	Solution to allocate leads as per the logic requirements of NABFINS – option to manually enter product/branch/partner/B&DC/DF code etc.; allocate to nearest branch based on pin code etc.		
12	Loan origination	Solution should have the ability to execute straight through application journey, without manual intervention.		
13	Loan origination	Solution must allow customer to view the progress status of his loan application, disbursal status, repayment status, closure status etc.		
14	Loan origination	Solution should be able to support automated & manual pre-approved loan journeys. System should enable user in entering differential rate of interest - based on linkage, risk profile, credit score etc.		
15	Loan origination	System should send automatic reminder/compliance to borrower, concerned B&DC/DF and branch officials for KYC updation upon completion of the period determined by the Regulatory guidelines (period to be configurable)		
16	Loan origination	Solution should perform the below activities including but not limited to: a) Customer Dedupe b) Account Health Check c) KYC Compliance Check, support for CKYC validation d) Check with external interfaces (including but not limited to RBI Wilful defaulter list, Credit Bureau Checks, negative database of customers checks, etc.) Solution will generate a health check report for the Leads based on the parameters configured and accordingly classify the leads.		
17	Loan origination	Solution should support Bulk / Batch processing capability through API, spreadsheets / data entry, etc.		
18	Loan origination	Solution should allow the user for movement of the leads/loan applications in the below formats including but not limited to 1) Forward with comments/remarks 2) Backward with comments/remarks 3) Reject with mandatory reason 4) Raise Query 5) any other as defined by NABFINS		
19	Loan origination	Solution will generate parallel workflows for Leads (Loan application) verification.		
20	Loan origination	Solution to enable upload digital / scanned copies of documents like Land records, Bank statements, ITR, Form26AS, Income & expenditure details, loan application and associated documentation etc.		
21	Loan origination	Customer should be able to view and approve/reject the below information, A. Pre-approved amount and terms and conditions B. Customer acceptance on Bank statement access via net Banking C. Customer acceptance on ITR site access D. Account aggregator		

22	Loan origination	Customer should be able to enter FATCA declaration details like, A. Father's name, B. Nationality, C. City/country of birth, D. Address type (residential or business / residential / business / registered office) E. Any other as defined by NABFINS		
23	Loan origination	Solution should enable NABFINS to configure the solution/product on the flow		
24	Loan origination	Solution should have the ability to generate audit trails (capture of date and time of logins of various user levels and date and time of details of loans applications and their status through the entire loan journey.)		
25	Loan origination	Solution should have the ability to send SMS alerts, alerts through chat apps, alerts through emailers to the customer on vital information related to processing of loans including sanction, disbursal and other post sanction activities as mentioned in this RFP.		
26	Loan origination	The Solution should have the ability to send SMS alerts/alerts through emailers/alerts through chat apps to NABFINS staff & NABFINS appointed agency for upcoming/pending action and status of the applications processed by the staff.		
27	Loan origination	Solution should have the ability to trigger link via SMS / email to the customer to upload necessary / pending documents. The document uploaded by the customer should be directly fed into the LOS for necessary processing.		
28	Loan origination	Solution should enable sending automated notification/intimation to the customer at each stage of loan cycle.		
29	Loan origination	Solution should provide provision for Customers to enter credentials for signing e-mandate /e-NACH		
30	Loan origination	The Solution should enable user to edit/update the groups/individual member of the group based on the request from the group members		
31	Loan origination	System should enable user to perform the self assessment of loan application based on minimum provided information to check the eligibility and highlight the key information and document requirement. System should suggest the product based on the provided on the information		
32	Loan origination	The Solution should enable the users in capturing the required photos with geotagging of the centres/customers, KYC documents, Validate Biometrics/IRIS/OTPs etc.		
33	Loan origination	Solution should integrate with CRILC , CRIF, CIBIL and/or any other bureau etc. for checks of individuals, organizations/borrowers, and board of directors		
34	Loan origination	Solution should support Maker – Checker workflow for all relevant activities. Each user, based on his / her hierarchy and responsibility to be allowed to perform maker, checker or both roles as required.		
35	Loan origination	Solution should have the ability to manage data for each stage of the journey, supporting all fields and data formats relevant for lending (NABFINS product offerings)		
36	Loan origination	Solution should have capability to upload the application form (in the form of excel), fill and complete the application based on the data provided by the customers		
37	Loan origination	Solution should enable customer to complete the application from any mode(Portal, Mobile/Tablet etc.) from the point where customer has left providing omni channel experience to the customer, users and officials.		
38	Loan origination	Solution should have the availability of all necessary fields required for submitting an application related to lending (NABFINS product offerings) along with clear display of mandatory and optional fields.		
39	Loan origination	Solution should have easy to use views and as minimal screens as possible, with clear bifurcations of application sections.		
40	Loan origination	Solution should manage journey drop off scenarios and exception handling.		
41	Loan origination	Solution should have a robust configurable TAT management for Products, Application and Cases. It should also display TAT for the leads sourced as per the TAT specified by NABFINS for their product offerings. The Solution should have the ability to flag if the actual TAT is overshooting the prescribed TAT by NABFINS and enable Root Cause Analysis of the same.		

42	Loan origination	Solution must have ability to see a trail of any changes to an existing organization/borrower		
43	Loan origination	The Solution should enable customer in filling up the application using the voice, system should enable voice reading and NLP to enable customer in filling the form		
44	Loan origination	The Solution should have a mechanism that cancels an application if it is pending for more than a specified number of days after follow-up for missing documents/ information.		
45	Loan origination	A portal shall have the provision for the Call Centre Agent /NABFINS (officials/B&DC/B&DF Etc.) team to assist the customers in completing their loan journey and other loan processes in an assisted ways		
46	Loan origination	Bidder to develop a solution for Bank statement analysis. The solution would source transaction statements from multiple Bank accounts held by a customer, or the Bank statements uploaded by the customer. The solution would read, clean and analyse the statements to provide meaningful insights about the financial health of the customer. The solution would assess the credit worthiness of the customer on multiple parameters, as credit-to-debit ratio, overall outgoing, etc. which would help NABFINS in credit decisioning		
47	Loan origination	The solution should have the ability to map product variants to their respective product families		
48	Loan origination	The solution to have ability to enable integration with risk-based pricing model of NABFINS		
49	Loan origination	System should tag the branch/B&DC/B&DF etc. with the geo-location and should limit the application management, collections and other loan journey to the location and create geo-fencing		
50	Loan origination	System should be able to process the application/request/collection on Store and forward mechanism automatically without any intervention from the user as and when application is within the network zone		
51	Business rule engine/Master Definition	Solution should enable officials to configure interest rates and other terms of the loan products in case of DL/B&DC/DF & SLI/Trader loans and other products of NABFINS		
52	Business rule engine/Master Definition	Solution should enable only authorized users to amend/configure the product with maker checker approval cycle, once approved by checker and also by borrower. Solution should initiate a second level checker approval, once approved no further modification in product for borrower is allowed. In case any modification is required the official will cancel existing loan application and initiate a new one.		
53	Business rule engine/Master Definition	Solution will maintain the masters for the allocation of leads (loan applications) and provide necessary controls and user access as per NABFINS requirement. The platform should have status dashboard for the different user groups. Master data table should be configurable from the UI by super admin. Examples of masters are: NABFINS Employees Master, B&DC/B&DF Master, Partners Master, Document Master, Branch Master, Product Master, Geo location Master ,Rates master, Fees/Charges master, Financial Ratios Master, Services fees master, Commission Ratio master, Tax master, Negative/blacklisted/debarred customer list, Negative/blacklisted/debarred vendor list, T&C Master, Collateral master etc.		
54	Business rule engine/Master Definition	Solution must be capable of low code, agile credit engine to configure, run, test credit policies by business users/admin		
55	Business rule engine/Master Definition	Solution must have functionality of credit appraisal based on various kind of scorecards, algorithms and rule engine (internal and external) with flexibility to add new rules /statistical models.		
56	Business rule engine/Master Definition	Solution shall have a decision engine to have intelligent supervision of deviation from credit policies		
57	Business rule engine/Master Definition	Solution must be able to do configuration of product specific credit policy and region specific (geography specific) scorecards for credit assessment must be present		
58	Business rule engine/Master Definition	Solution must have facility to define rules based on different parameters should be present. Rules could be related to de-dupe, scoring, eligibility, data analytics or other rules like risk-based pricing		
59	Business rule engine/Master Definition	Solution must have Functionality to simulate new credit analysis models		

60	Business rule engine/Master Definition	Solution will have an internal configurable, parameterized, customizable, and Dynamic BRE Module as per the requirements of NABFINS (Product specific, Score card based, dedupe, eligibility, customer exceptions, workflow movement etc.) and/or for processing the Lead (loan applications).		
61	Business rule engine/Master Definition	Solution should have the robust rule engine to design the loan processing and appropriate escalation matrix for deviation rules defined by NABFINS.		
62	Business rule engine/Master Definition	Solution will flag discrepancies in the Leads on the basis of BRE parameters and will route leads (loan applications) which require clarifications and/or is with discrepancies to proper credit assessment hierarchy.		
63	Business rule engine/Master Definition	Facility for providing financial leasing facilities to customer- The Solution to have facility to capture key information such as capital amount, rate of advance, lease period in years, number of rentals, effective rate of interest, number of prepaid instalments etc. On capturing the above information, the Solution should compute the Leasing facility amount (capital + interest), Monthly net rental, monthly gross rental (net rental + Tax, Tax, Prepayment amount and other charges and flat rate of interest.		
64	Emerging Tech	Solution should perform the credit assessment decision based on customer data inputs received. The solution will perform review and validation of application & documents received by the credit officer in the solution using AI enabled rule based engines. It should also have the facility to flag it basis rejection or non-rejection.		
65	Emerging Tech	Solution should support Committees based processing and sanction as per the delegation of sanctioning powers specified by NABFINS.		
66	Emerging Tech	Based on the data uploaded, Solution should compute the financial ratios as per the configuration in the masters.		
67	Emerging Tech	Solution should have credit engine for automatic decision making for sanction of loans through detailed analysis		
68	Emerging Tech	Solution should be able to extract any or all data for analytical functions or for other purposes for end users or other systems at NABFINS in desired format		
69	Emerging Tech	System should enable users to make data backed decision by performing the following and showcasing the same against each application sent to the NABFINS users a. credit worthiness analysis powered by machine learning and credit-risk analysis through metrics like current income level, the potential to earn, and employment opportunities b. customer behaviour analysis c. fraudulent analysis d. potential defaulters		
70	Emerging Tech	Checking the authenticity of the uploaded document through relevant authorities/FINTECH/3rd Party site integrations automatically before the applications is forwarded to NABFINS users		
71	Emerging Tech	Emerging tech enabled rules engines to tackle fraud, the solution should be able to provide the following to all applications: a. Fraud scores b. Fraud investigation by scanning through the loan documents in real-time and give a list of flagged loan applications that can be further investigated in details by NABFINS authorities		
72	Emerging Tech	Emerging tech to analyse the ongoing loans based on assessment of spending patterns, income and expenditure analysis keeping adherence to privy information: Emerging Tech to pick out loans that have the possibility to go bad and help to analyse on-going loans		
73	Fintech & 3rd party integration	Integrate with CERSAI to check for property verification of a loan applicant/coborrower/coobligant applying		

74	Fintech & 3rd party integration	Bidder will design & implement a solution for accessing the nationwide repository maintained by CIBIL to check if the loan applicant has been involved in any spurious activity, gain insight into activities that indicate potential fraud and assess the creditworthiness of the applicant. The solution should also indicate whether the person or organization was a victim of fraud or was involved in it and share valuable information on high-risk Bidders and agents. NABFINS also intends to integrate a mechanism in the loan lending journey to check CIBIL suit filed accounts against a loan request by a borrower to check if a borrower has been a loan defaulter in the past.		
75	Fintech & 3rd party integration	Integration with legal data sources for civil suits and court cases (Case Information System and other judicial systems)		
76	Fintech & 3rd party integration	Solution should be integrated with CERSAI and regulator portal for verification of CKYC.		
77	Fintech & 3rd party integration	Solution should have the ability to integrate with contact centre platforms.		
78	Fintech & 3rd party integration	Solution should be capable to capture financial data of the customer both current and future projections, as needed like Equity/ capital details, Credit facility sanctioned/availed by/from other Banks/ institutions, profit and loss statements, income statements, balance sheet statements, projected cash flows, carry out comparison between estimated and actual achieved at the time of renewal etc.		
79	Fintech & 3rd party integration	Integrate with multiple Credit Bureaus to check if the loan applicant/coborrower/coobligant has been involved in any spurious activity, gain insight into activities that indicate potential fraud and assess the credit worthiness of the applicant.		
80	Fintech & 3rd party integration	Solution should support cross selling functionalities through integration with NABFINS call centre application.		
81	Fintech & 3rd party integration	Solution should be able to convert financial document into excel or table format, thus facilitating the rapid movement of applications across the processes/ Units without the need of paper flow.		
82	Fintech & 3rd party integration	Integration with multiple external credit rating agencies to assess the credit score of the borrowers/coborrower/coobligant prior to lending		
83	Fintech & 3rd party integration	The Solution should store all e-mail/electronic communications (external and internal for recommendations, concurrence etc.) electronically as part of all loan documentations		
84	Fintech & 3rd party integration	Integrate with e-mandate to automatically capture mandate information and authenticate mandate by payer's net Banking or debit card details thereby debiting customers Bank account for recurring payments.		
85	Fintech & 3rd party integration	Bidder to design and implement E-mandate system to set-up payment mandates for all loans quickly and efficiently. The E-mandate system should automatically capture mandate information and authenticate mandate using customer net Banking or debit card details or other channels of payment (UPI). Once NABFINS is authorized/approved, the EMI repayment should be completely automated, and should not require user or NABFINS intervention.		
86	Fintech & 3rd party integration	System should be enabled with the e-mandate workflow and inbuilt mechanism for reconciliation; TAT for reconciliation; exception reports, further workflow configurable for automation		
87	Fintech & 3rd party integration	In the Digital Lending journeys this service would be required to remotely view stamping documents, generate stamp duty certificate inscribed with a unique stamp duty number, thereby making the contract execution process seamless, online and real-time.		
88	Fintech & 3rd party integration	Solution must have integration with Financial Statement Analysers for Proprietorship / Partnership / LLP / Pvt Ltd / companies including Balance Sheet, P&L, Income statement, IT statement or any other document		

89	Fintech & 3rd party integration	Solution will have capability to integrate with Data Warehouse system, CRM, Contact Centre, Other Mobility channels / websites, Underwriting Rating System, Central / State Govt. websites etc., Third Party Sourcing channels platforms, capability to support tie-ups with vendors, institutions (Second level institutions, NGO etc.), corporates, Self help groups, joint liability groups, insurance companies, SMS, EMAIL, WhatsApp, Nabfins partner banks, Risk Rating Models, Chatbots, Scoring Models, Digi locker, Credit Bureaus, UIDAI, NSDL, Income Tax, Election Commission of India, D&B, MCA website/data, CRILIC, Market Reports, CERSAI, GST site, Defaulter list, cKYC, eKYC, etc. through API integrations or any other integrations as and when required.		
90	Fintech & 3rd party integration	Solution should be capable of integration for Account Aggregators, Bank Statement Analysis, Penny Drop verification, Bank Reconciliation etc.		
91	Fintech & 3rd party integration	Solution should be able to integrate with Bureau and Fintech services to perform Go & No-Go decisions		
92	Fintech & 3rd party integration	Integration with ITR portal would help in income verification and employment verification. This service would also fetch data from Income Tax Returns (ITR) and Form 26AS statements to validate identity and customer credit worthiness.		
93	Fintech & 3rd party integration	Integration with GST database for GST verification and fetching demographic data, sales & purchases information based on GST returns and provide data in real-time. System to have the capability to capture / fetch GST basis PAN of a customer(s) applying for loan.		
94	Fintech & 3rd party integration	Solution should be integrated with account aggregator service.		
95	Fintech & 3rd party integration	Solution must have Capability to integrate with State/Central Govt. websites for imparting information on various Govt. schemes available for farmers/ agriculture		
96	Fintech & 3rd party integration	System should be integrated with the State/Central Govt. portals for imparting/pulling adjustment of subsidies and credit guarantees		
97	Fintech & 3rd party integration	Solution shall have the capacity to integrate with NABFINS provided solutions such as Video KYC, HRMS, etc.		
98	Fintech & 3rd party integration	Solution should be tightly integrated with HRMS and other authentication tools for validating the user and officials		
99	Fintech & 3rd party integration	If a user gets deactivated in HRMS, automatically same user should get deactivated in the proposed solution. Similarly, if there is a change of job roles in HRMS, automatically the same should be effected in software		
100	Fintech & 3rd party integration	Solution should be able to carry out liveliness check and detect any other fraudulent manipulation or suspicious conduct of the user		
101	Loan Lifecycle management	System should enable in calculating and tracking each employee wise business and recovery performance and information should automatically flow to HRMS in order to provide incentive to the staff		
102	Loan Lifecycle management	System should enable in calculating and tracking each B&DC/B&DF wise business and recovery performance commissions and incentives as per the defined Rules (the rules should be configurable from GUI)		
103	Loan Lifecycle management	System should enable in calculating and tracking each Employee, B&DC/B&DF wise tours and travel expenses and re-imbursement and same should be tagged with respective lead/loan.		
104	Loan Lifecycle management	Ability to create Guarantee Cover page display the lists of all the guaranteed cover (CGFMU for Mudra loan, SHG, CGTMSE, NCGTC for all types of MSME loans, Credit Guarantee for Stand-up India Loan, CEGFSE meant for loans extended to Scheduled Castes, etc.), provided to secure the loan.		
105	Loan Lifecycle management	Solution should enable user for the following insurance product:		
105.1	Loan Lifecycle management	Solution should be configured with 1 insurance product at minimum. However during contract period NABFINS may add multiple insurance products and same ahs to be configured in the solution by the bidder		
105.2	Loan Lifecycle management	Solution during loan origination should provide an option for borrower to opt in/out of insurance, accordingly premium will be charged as a charge. Consent has to be digitized during the loan origination process, across all loan products		

105.3	Loan Lifecycle management	Solution should have Insurance Claims Management module enabling NABFINS uses to have an option to flag an account in the system for deceased borrowers (branches can also flag the death claims), system needs to check last repayment if interest is accrued or not and to recalculate the interest only till date of death. Solution should enable NABFINS to post/delete any interest accrued post death. The provision should be provided to NABFINS to reverse interest charges in the solution		
105.4	Loan Lifecycle management	Solution should calculate the amount that Nabfins and Nominee is liable to receive from insurance company		
105.5	Loan Lifecycle management	Solution must have Capability to handle insurance schemes such as PMSBY, PMJJBY PMFBY, Crop insurance, Agricultural insurance schemes, etc.		
106	Loan Lifecycle management	Functionality for handling deviations, exceptions with appropriate approval authority matrix within NABFINS wherever required in the lending such as credit, sanction, disbursement, collections, closure etc. The Solution should also enable NABFINS authorized personnel to define/modify the approval authority matrix for deviations/exceptions.		
107	Loan Lifecycle management	Solution should provide Fast track processing feature whereby a single user (duly designated) to process an application from start to finish or may have limited access to a specific task		
108	Loan Lifecycle management	Solution should have the ability to provide end-to-end digital journey / assisted model of journey for all product lending.		
109	Loan Lifecycle management	Solution must be able to support Lending Analytics for data-driven insights in areas such as identifying new products for specific customer segments, targeting the right customers, optimizing marketing campaigns, offering risk-based Pricing		
110	Loan Lifecycle management	Solution should be able to assess working capital requirements.		
111	Loan Lifecycle management	Solution should have journey for takeover loans (Direct assignment and/or Buyout) for lending		
112	Loan Lifecycle management	In the event that a customer has an existing loan with another institution, the solution must allow for input of this information at origination. This will allow for this information to be reviewed at verification and solution should consider this information for arriving at loan limit as well		
113	Loan Lifecycle management	After disbursement of Loan, the solution will share the Customer details including Sanction and disbursement details with NABFINS designated users via email/notification in system		
114	Loan Lifecycle management	Solution should support configuration and capture of following details for loan applications: Applicant/Groups Financials, Land Holding/Other Collateral details, Applicant/Groups Asset & Liability details, Applicant/Groups Cash Inflow & Outflow details, Existing income/earning pattern, insurance, etc.		
115	Loan Lifecycle management	In case of review/renewal/enhancement of limits, Solution should be able to capture the earlier years data so that only current year data need to be entered.		
116	Loan Lifecycle management	Solution should provide facility to support various EMI calculators like Normal, Step-up, Step-down etc.		
117	Loan Lifecycle management	Solution should have controlled interface with external/internal web links/ data sources/ reference sources for data verification/data & information feeding/checking information. Solution should consolidate collateral of Borrower/co-borrower/guarantor/coobligant while arriving the limit and value of security as well as incremental income.		
118	Loan Lifecycle management	In the event that a customer already has an existing group loan, the Solution must have automated capability to deny the customer from getting another group loan and generate a new loan application individually, with a consolidated balance of the new and old loan. The Solution must have the capability for pricing to be based on the tenor of the loan. (However, pricing of loan depends on other factors too like –Internal/External rating, Risk mitigation, Collateral security, Restructuring of loan under CDR (Credit Deposit Ratio) etc.)		
119	Loan Lifecycle management	Solution should have the ability to source, process, and sanction loans of any amount as per the requirement of the products.		
120	Loan Lifecycle management	Solution should have the capability to define the sanctioning authority-based loan size, product, etc. Ability to have a multi-level sanctioning matrix and automatic routing of the case based on that. The system should have the capability to take into account various types of deviations and define the sanctioning authority accordingly. The system should be capable of adopting such deviations in the solution.		

121	Loan Lifecycle management	Solution should aid credit decision making based on the proposal evaluation analysis and credit risk rating. It should facilitate users/reviewers in understanding assessments through electronic case files.		
122	Loan Lifecycle management	Solution should be capable of Generating offer letter & Loan Documents for customer, Allow printing of approval/rejection letter in desired format, Ability to view the status of applications under process to NABFINS users and to customers as well based on Stage, branch, user, product, geo location etc..		
123	Loan Lifecycle management	Solution should have the capability to route the case for committee approval in case of higher loan amounts, for committee-based sanctioning.		
124	Loan Lifecycle management	Solution should have the capability to generate Credit Appraisal Report.		
125	Loan Lifecycle management	Solution should support creation of sanction advice with the following details (but not limited to): - - Customer details - Product details - Classification of loan/sector code - Purpose of the sanctioned loan - Terms and conditions of the sanction amount (rate of interest, Processing Fee, upfront fee, including any additional charges applicable) - Period of sanction or tenure of loan - Payment terms of interest, margin etc. - Credit rating - Repayment schedules - Moratorium period - Renewal/review details (where applicable) - Collateral details/guarantee coverage - Charges to be created with appropriate authorities - Personal/third party Guarantees - Insurance details - Documentation and legal formalities to be executed		
126	Loan Lifecycle management	Solution should have the capability to allow reviewing officers to view defined sets of information/comments on each credit request.		
127	Loan Lifecycle management	Solution should have the capability to view the application data in a summarized form to take credit action.		
128	Loan Lifecycle management	Solution should have the capability to view/ input financials & non-financial covenants.		
129	Loan Lifecycle management	Once an application for credit is closed, it should not be possible to change the data, except for certain non-critical fields. Fields are configurable and shall be define by NABFINS.		
130	Loan Lifecycle management	Solution should have facility to recommend an application		
131	Loan Lifecycle management	Solution should have the capability, to add certain actions/conditions if the application is not fully up to the mark for approval like addition of co-borrower/coobligant, collateral etc.		
132	Loan Lifecycle management	Solution should exclusively sanction the loan amount based on maker-checker concept.		
133	Loan Lifecycle management	Solution should have inbuilt functionality to initiate/configure a workflow for post sanction review mechanism as required by NABFINS.		
134	Loan Lifecycle management	Solution should be able to identify the category of loan based on approval matrix for various type of loans, loans amount, & other parameters as identified by NABFINS and create/update a review/sanctioning matrix .		
135	Loan Lifecycle management	Solution should provide output format to be generated in Word, Excel, PDF, HTML, XML etc. and any format needed in future by the regulators		
136	Loan Lifecycle management	Output has to be a printable format with full alignment of text, images & tables. Solution should handle and generate documents like but not limited to: Loan Sanction Letter, Loan Rejection Letter, Loan Related Agreements, Security document, All other document forms		

137	Loan Lifecycle management	Solution must generate a unique loan number for every loan application and the application enquiry should be possible on specific keys definable parameter. The unique loan number generated should be easy to trace by the various users who may wish to track the application. For example: can be queried by inputting customer's ID no., name or business registration number.		
138	Loan Lifecycle management	While opening of loan account in the system, data fields to be auto populated from lead application, KYC documents and govt websites		
139	Loan Lifecycle management	Solution should be able to generate EQI, EHI, EYI in loan accounts based on cash flow instead of only EMI. Solution should have flexibility for Moratorium Period / Holiday period as per the nature of activity/Purpose of loan.		
140	Loan Lifecycle management	Solution should provide post disbursement tracking, reporting, and alerting.		
141	Loan Lifecycle management	On successful Loan account creation and execution of deed of assignment, Solution should give disbursement to the borrower's specified account irrespective of the type of loan.		
142	Loan Lifecycle management	Solution should be able to create disbursement files and send the same to the specified folder for SFTP, once acknowledgement files are received, solution should read and map the disbursement status to loan accounts		
143	Loan Lifecycle management	Solution should be able to capture the reversal files and accordingly perform the activities as defined by NABFINS, the reversal files reading and mapping the same should be automated and should be configurable by NABFINS officials based on the authority matrix		
144	Loan Lifecycle management	Solution should provide facility to support part release/ multiple disbursement of the loan amount. Disbursements should be linked to the sanction terms, e.g. Limit, interest rates, tenure, pricing etc.		
145	Loan Lifecycle management	Solution should have provision to capture Disbursement Draw down schedule		
146	Loan Lifecycle management	In case of part disbursement, Solution should provide the details of the disbursement; Amount already disbursed, Interest accrued, balance disbursement etc.		
147	Loan Lifecycle management	Solution should have provision for online disbursement request along with relevant documents from Borrower/Customer as well as capturing Disbursement request of borrower by Nabfins Officials		
148	Loan Lifecycle management	Solution should have provision to generate Disbursement letter /Loan Statement and ability to send it through email/WhatsApp etc. from the Solution.		
149	Loan Lifecycle management	Solution should have provision for configurable disbursement checklist as per loan product etc.		
150	Loan Lifecycle management	Solution should have provision for capturing Disbursement Detail and track history		
151	Loan Lifecycle management	Solution should have provision for marking full and final disbursement		
152	Loan Lifecycle management	Solution should have provision for releasing disbursement as per disbursement process of Nabfins on electronic mode through integration with partner bank platform		
153	Loan Lifecycle management	Working Capital Disbursement - API Banking, DP setting, Uploading of Stock statement, Penalty, CMA data, Insurance data & policy		
154	Loan Lifecycle management	Solution should automatically calculate the drawing power/Loan Limit/Working Capital Limit based upon defined rules imposed by Nabfins based upon the details of the documents/Security entered		
155	Loan Lifecycle management	Solution should have a functionality of dispatch/ acknowledgment of security documents from the customer and within the expected date for obtaining pending documents, and instructions for disbursements.		
156	Loan Lifecycle management	Solution should provide facility for disbursement automatic routing; define disbursement approval authority, disbursement documentation.		
157	Loan Lifecycle management	Workflow and Exception handling - Solution should link the customer information file / account to a particular branch say x and disbursed, service of the customer through another branch/HO say y. Further the Solution should be able to treat the exposure to either branch x / y as parameterized.		
158	Loan Lifecycle management	Solution should link disbursal for any type of loan / advance based upon progress reports / documentations submitted by the borrower		

159	Loan Lifecycle management	The Solution should support • Setting up of a Loan Disbursal account from where the loans would be disbursed (Through partner Bank) • Follow the unique serial numbers allocated to each loan case and disburse as per the queue serial number order wise • Match the amount available in the partner Bank account and disburse loan up to that amount only • Pick up the cases from the queue based on the amount available in the partner bank account"		
160	Loan Lifecycle management	Solution should globally maintain margin amounts to be collected by the Nabfins for all types of loans and advances as : • Flat amounts • Percentage • tiered slab - wise amounts / percentages • Combination		
161	Loan Lifecycle management	Solution should automatically calculate and display the applicable margin amount as per the loan product / scheme selected		
162	Loan Lifecycle management	Solution should automatically release the margin amount collected by the Nabfins on full payment of the loan by the customer.		
163	Loan Lifecycle management	Solution should automatically adjust the loan amount outstanding against the margin amount with the Nabfins.		
164	Loan Lifecycle management	Solution should display alert messages of the existence of any margin amounts with Nabfins in the event of the account being transferred to doubtful, sub -standard, loss etc.		
165	Loan Lifecycle management	Solution should define the means for collection of margin amount for each type of product / scheme (user defined). The Solution should at least support the following means • Cash • Account transfers • Cheques (clearing) • Combination of the above • Any other means for collection as desired by the Nabfins		
166	Loan Lifecycle management	Solution should charge interest only on the loan amount and not on the subsidy amount		
167	Loan Lifecycle management	Solution should automatically calculate and display the EMI table based upon the total exposure to the Nabfins		
168	Loan Lifecycle management	Solution should have provision for capturing COD and also should have facility to revision of COD along with subsequent change in different modules		
169	Loan Lifecycle management	Solution should support adjustment disbursement features i.e. disbursement against interest dues etc.		
170	Loan Lifecycle management	Solution should enable the users (borrower/official) to select whether they want to increase/decrease tenure of the loan or increase/decrease the EMI in case of rate of interest modification by regulator/NABFINS. Solution should provide GUI based configurator to enable the users along with 360 degree view of the scenarios.		
171	Loan Lifecycle management	Solution should have provision for handling subsidy adjustments as per guidelines issued by NABARD and other relevant authorities.		
172	Loan Lifecycle management	Solution should have provision for handling Technical and prudential write-off functionalities as per RBI guideline and Nabfins policy		
173	Loan Lifecycle management	Solution should have provision for handling Compromised Settlement/One Time Settlement process as per applicable policies and procedures of Nabfins		
174	Loan Lifecycle management	Solution should have provision to handle changes in commercial operation date and support to subsequent change in other related modules.		
175	Loan Lifecycle management	Solution should have provision for restructuring/rescheduling loans e.g. change in category of interest rates, repayment frequency, instalment amounts, moratorium period etc. with appropriate levels of authority as per regulatory authority guideline		

176	Loan Lifecycle management	Solution should have provision to link to the credit monitoring module for review warnings, asset classification etc.		
177	Loan Lifecycle management	Solution should capture the risk weightage category based upon user definable parameters for each type / category of loan / advance		
178	Loan Lifecycle management	Solution should maintain rescheduling information of a customer for future reference		
179	Loan Lifecycle management	Solution should be able to calculate the provision for sacrifice in case of restructured accounts		
180	Loan Lifecycle management	Solution should be able to mark accounts as sensitive sector and track and monitor the accounts marked under sensitive sector		
181	Loan Lifecycle management	Solution should have the facility of loan recovery through E-Mandate, Standing order etc. at any branch of Nabfins		
182	Loan Lifecycle management	The platform should have the capabilities to close the loan account in the solution.		
183	Loan Lifecycle management	System to have a module on a processing of One Time Settlement Scheme		
184	Loan Lifecycle management	Solution should support automation of review/ renewal process across all loans		
185	Loan Lifecycle management	Solution should enable for foreclosure of loans by performing demand generation, calculation of amount due, settlement of foreclosure amount received etc.		
186	Loan Lifecycle management	The user should be able to manually change a case (Fraud Case), the user should be able to change / modify the 'due date (SLA) add comments, and designate future review time to re-review the case (i.e. Automated reminder). If "pending" due to unavailability of analyst, then work should move to "general" queue for work		
187	Loan Lifecycle management	The Solution should provide features for visualization, navigating and drilling into listed alerts, rules that triggered the alert and information from the solution on the account/customer impacted by the alert		
188	Loan Lifecycle management	Solution must provide a framework for deciding what thresholds of business rules will result in an alert. The thresholds may be: - Quantity based - Event based - News based - Industry based - Periodicity based - Regulator based - Product based - Customer risk category based - Or, a combination of the above"		
189	Loan Lifecycle management	The solution should have features / tests/ mechanism to initiate or perform fraud prevention/detection for tampered/ Xerox (photocopy) / fake instrument.		
190	Loan Lifecycle management	The solution should comply with all the RBI / NPCI/GOI/NABARD guidelines for security features and quality enhancements in cheques / instruments to prevent/detect fraud.		
191	Loan Lifecycle management	The solution should be able to flag(notification should be sent to Head Office/Audit/Other Nabfins departments) and identify branches with sudden increases/decreases in disbursements		
192	Loan Lifecycle management	Proposed Solution should be able to know Money laundering patterns and fraud patterns like structuring, circulation of fund etc. Proposed Solution should have no limits to parameterize these patterns based on the banks experiences in money laundering and fraud		
193	Loan Lifecycle management	System should have provision for blacklisting accounts for fraud prevention or caution.		
194	Loan Lifecycle management	System should have default functionality of storing the input locally and forwarding the same as and when the device is in network zone. While storing the information locally, the information should be securely encrypted and should be temper proof.		
195	Loan Lifecycle management	System should track and monitor the loans that have been pre-closed, workflow based approval and review should be initiated in case of pre-closure		
196	Loan Lifecycle management	System should enable user in printing the documents like loan document, sanction letter, application form etc. in various vernacular languages (defined in the schedule 8 of the constitution)		
197	NPA Management	NPA & Defaulter Loans Follow up Requirements and information as required by regulator and NABFINS		

198	NPA Management	Solution should have classification of NPA, SMA and auto marking of NPA ,SMA etc. as per RBI guideline		
199	NPA Management	Facility to define NPA buckets/Provisioning for different Loan Products & / or Industry & Purpose of Loan, defined as per the governing body		
200	NPA Management	Facility to classify Loans as Standards, SMA0/1/2, Sub-standard, Watch, Doubtful, Loss etc. based on levels of defaults.		
201	NPA Management	Facility to define separate provisioning percentage for secured & unsecured portion of NPA loans within each buckets		
202	NPA Management	Solution to group NPA, sub - standard, loss etc. under particular account heads. The Solution should be able to give a consolidated view of all accounts grouped along with the details		
203	Collections & Reconciliation	Solution should provide the dashboards highlighting the following details loan account wise, branch wise, B&DC/B&DF wise, product wise, geography wise, time period wise, but not limited to 1) Account Details 2) Transaction history 3) Account statement 4) Information like Penal charges/interest on bounced EMIs, any other charges for recovery etc. 5) Insurance 6) NPA 7) EMI Overdue 8) EMI received (Digital and Cash)		
204	Collections & Reconciliation	Solution should store and process based on the defined workflows various periodic request/demands/dues raised in the Loan account.		
205	Collections & Reconciliation	Any short/ excess/ deviations EMI/charges received will be adjusted as per the logic/rules defined in the system. The logic /rules should be configurable in the system.		
206	Collections & Reconciliation	Solution should be able to generate reminders on over due, and reminder SMS, Email, WhatsApp and/or letters.		
207	Collections & Reconciliation	Solution should facilitate to provide for input of repayment instructions. Following repayment modes are anticipated but not limited To: • Standing Order • PDC • Cash • Cheque • Direct deduction • ECS • UPI • Net banking • RTGS/NEFT • and or any other payment gate way as desired by Nabfins"		
208	Collections & Reconciliation	Solution should have flexible recovery date/day option(Recovery date/day may be changed as per Nabfins specific, E.g.: 10th May changed to 30th) and provision to exclude Holidays (Sunday, National Holidays as per NI Act) so that previous day can be the repayment day		
209	Collections & Reconciliation	Solution should have provision to calculate instalment both on sanctioned amount as well as disburse amount.		
210	Collections & Reconciliation	Solution should display a screen to summarize all closing costs, fees, and cost of borrowing with notes of any fee waivers for any fee category, including state tax fees.		
211	Collections & Reconciliation	Solution should have facility to settle the amount in the order of appropriations for repayment like EMI, Non-EMI, Interest+ Equal rate of Principal or defined principal etc. as defined by Nabfins		
212	Collections & Reconciliation	Solution should allow users to define parameters of interest and principal for EMI and repayment calculations.		
213	Collections & Reconciliation	The Solution should support triggering of SMS / mail/WhatsApp alerts in case default of EMI		

214	Collections & Reconciliation	Solution should generate a repayment schedule for loans as per type of loan for example Equated Monthly / quarterly instalments, staggered payments (part payments over a period of time), balloon payments (final settlement instalment usually large sum) etc.		
215	Collections & Reconciliation	Solution should support part or pre – payment and readjust the loan payment schedules as per payments .		
216	Collections & Reconciliation	Solution should generate letter on closure/Overdue/Instalment arrears through Solution and trigger SMS/Email alerts		
217	Collections & Reconciliation	Solution should adjust payments made (loan recovery) against : • Interest first • Principal First • Charges / Penalties First • Against tier / slab carrying higher or lower rate of interest. • Recovery of principle at one frequency and recovery of interest in a different frequency (e.g. recovery of principle in every six months but recovery of interest on a monthly basis) • Solution should able to maintain different moratorium period for principal as well as interest. • Any order (to be decided at the time of transaction) • Custom defined ad hoc repayment schemes. For example recovery of 20% or X amount of the loan in 3 months, recovery of another 35% or Y amount in 8 months and the balance to be recovered in 13 months • Solution should define a grace / moratorium period and recover (during moratorium / grace period) • Only interest • Only principal • Equated instalment • Combination of the above		
218	Collections & Reconciliation	Solution should have provision for Excess/Advance Repayment parking in suspense account and posting it against future dues when such due arises		
219	Collections & Reconciliation	Solution should maintain a log of Post Dated Cheques collected against a particular loan.		
220	Collections & Reconciliation	Solution should recover all charges / taxes to be recovered before / after adjusting interest.		
221	Collections & Reconciliation	Solution should charge the customer a penal rate / flat rate for repayment of the loan before X number of days, delay instalments etc. (parameterizable)		
222	Collections & Reconciliation	Solution should have facility to waive off the charges with appropriate on-line approval/authorisation		
223	Collections & Reconciliation	Solution should define rebate rates for particular types of loan products / schemes for early settlement.		
224	Collections & Reconciliation	Solution should automatically compute taxes and charges applicable on recovery of loan instalment		
225	Collections & Reconciliation	Based on defined parameters such as the loan product, branch code, customer type, year of transaction etc., a running loan reference number to be generated on processing of a new loan.		
226	Collections & Reconciliation	Solution should capitalize interest as per parameter set for a defined loan product / scheme.		
227	Collections & Reconciliation	Solution should able to send SMS/Mail for increase and decrease of Drawing power limit.		
228	Collections & Reconciliation	Solution should able to send/generate show cause notice only on default amount (when loan is default)		
229	Collections & Reconciliation	Solution should able to send/generate recall notice on total O.S amount (if the loanee not recognize the show cause notice)		
230	Collections & Reconciliation	On repayment, solution should allow the relevant loan limit of the customer should get updated		
231	Collections & Reconciliation	User-defined watch-lists · Tag loan accounts to watch-lists · Ability to define specific actions to be taken on loan accounts		
232	Collections & Reconciliation	Solution must Record all follow-up actions with date and time and alert users of next actions		
233	Collections & Reconciliation	Solution must have provision for inputting collector(DSA/ BC/RO) capacity each month based on leave schedules, new hiring, attrition etc. The same should be configurable and parametrizable from the GUI		

234	Collections & Reconciliation	Solution must have provision for inputting the maximum ACR (account per collector ratio) acceptable, based on collector vintage and/or efficiency. The same should be configurable and parametrizable from the GUI		
235	Collections & Reconciliation	Solution must allow for allocation to be possible to the level of not just an external collection agency, but to a team leader/field collector /tele-caller at the Agency itself.		
236	Collections & Reconciliation	Solution must have availability of productivity/ efficiency reporting • Agency level • Team level • Collector level • Others		
237	Collections & Reconciliation	Solution must have mandate ordering of queues allocated to a specific collector • Collection Strategy • Queue Prioritization Example: ensuring that all collectors call "Broken promise' queued accounts first, before moving on to other queues." "Feasible built in controls such as 'no promises can be taken beyond x days' or 'minimum promise amount = EMI / Non EMI' etc."		
238	Collections & Reconciliation	The System should display and provide notification & reports to the officials, B&DC/DF about the failure of collection failure (like e-mandate failure, standing instruction failure) further actions to be taken by the user should be captured in the dashboard of the officials, B&DC/DF and TAT should be applied.		
239	Collections & Reconciliation	Solution must have back-up of all the offline transaction(collection) done by B&DC/DF and NABFINS staff before closure of day.		
240	Collections & Reconciliation	Solution must have assessment of agency & agent level productivity		
241	Collections & Reconciliation	Solution must have variable Compensation structures for DSA/BC/RO		
242	Collections & Reconciliation	Before Solution assignment of delinquent accounts, the delinquent accounts/case should be sequenced by the overdue days and Delinquent amount (from the most to the less).		
243	Collections & Reconciliation	After the collector could make Promise to Pay, this Solution should automatically calculate the penalty fee and GST for penalty to inform the customers.		
244	Collections & Reconciliation	Customer and delinquent accounts/cases search (Inquiry relevant information) by products or by the collectors • Customer Inquiry • Account Inquiry • Statement Inquiry • Payment Inquiry • Note, Message etc.		
245	Collections & Reconciliation	Solution must have ability to transfer or assign a single case to another business unit(eg agency)		
246	Collections & Reconciliation	Solution must have provision for Allocation of the case to the teams and different collection agencies in different regions		
247	Collections & Reconciliation	Solution must support escalation of work items		
248	Collections & Reconciliation	Multiple Relationship screens - Ability to show all products for a customer on one screen to accommodate the collector to handle multiple relationship for the same customer.		
249	Collections & Reconciliation	Team inquiry for a supervisor monitoring screen which provide a complete view of: • collection team • cases which were assigned to the collectors		
250	Collections & Reconciliation	Solution must have provision for future action and follow up prioritization		
251	Collections & Reconciliation	Solution must have provision for Work List (account assigned to collector)		
252	Collections & Reconciliation	Solution must have provision for Priority List which shows accounts scheduled for current day and backlogs, if any		
253	Collections & Reconciliation	Solution must support provision for Work flow mechanism for the decision required at different levels.		

254	Collections & Reconciliation	Perform bulk actions on a group of loan accounts and automatically post the activity to individual accounts & maintain audit trail Eg. Reminder letters to be sent to bulk loan accounts can be generated from a common interface." Updation of master customer data (e.g. current address) through the recovery interface with appropriate authorizations "Capture the correspondence address preference • Property Address • Work location • Guarantor • Others		
255	Collections & Reconciliation	The software should generate a report which will enable the user to check the over all collection made on a given day, corresponding deposit in the bank and deposits which yet to be made in bank, (branch wise, state wise, overall company level etc)		
256	Collections & Reconciliation	Solution should be able to flag leads/loan applications which have been sent for which legal procedures have been initiated		
257	Inspection & Audit management	Solution should be capable of capturing NABFINS specific questionnaires responses from the auditor against the defined ICQs		
258	Inspection & Audit management	Solution should be able to analyse and categorize a branch's risk rating profile based on response of auditors		
259	Inspection & Audit management	Solution must have generative AI capabilities to be able to identify patterns across auditors responses across branches		
260	Inspection & Audit management	Solution must offer MIS to audit department which shows entire audit process with dates and risk ratings, number of audits done, status of audits, key findings of each audit and audit reports etc.		
261	Inspection & Audit management	Solution should have the feature of defining an audit (Eg: Type of audit, Audit Period, Start/End Date, Auditors, Expiry Date of audit comments, Due date for next audit)		
262	Inspection & Audit management	Solution should have the feature of defining the audit formats based on audit definition Customer data (E.g.: limits, facilities, sanction order conditions) relevant for audit to be made available in the solution		
263	Inspection & Audit management	Solution should able to display the brought forward comments of previous audits with appropriate tagging (customer name, year, categorization etc.)		
264	Inspection & Audit management	Solution should be able to band the comments into different categories (E.g.: Serious, Major, Moderate & Minor) based on risk, priority etc.		
265	Inspection & Audit management	Solution should be able to intelligently prompt vulnerable areas based on past observations The solution should have a appendable & configurable comments pertaining to above types of audits (E.g.: Stock due and not done, Sanction order conditions not complied with, Party did not submit financial statements)		
266	Inspection & Audit management	Solution should have an integrated case management/workflow for audit comments		
267	Inspection & Audit management	Solution should generate audit reports with the required details as per Nabfins		
268	Inspection & Audit management	Solution should generate dashboards on comments with required details		
269	Inspection & Audit management	Solution should provide for risk categorization of branch & customer based on audit comments		
270	Inspection & Audit management	The solution should have a appendable & configurable alerts pertaining to above types of audits		
271	Inspection & Audit management	Solution should be able to display the banding of comments inherited from the audit module		
272	Inspection & Audit management	Solution should be able to assign pre-fixed resolution time for audit comments		
273	Inspection & Audit management	Solution should be able to mark with status for the comments (E.g.: Resolved, Unresolved, Partly resolved)		
274	Inspection & Audit management	Solution should be able to give alerts based on risk, priority or resolution status		
275	Inspection & Audit management	Solution should have an option to carry-forward of comments to subsequent periods		
276	Inspection & Audit management	Recording of adverse comments noted in multiple/consortium banking accounts/meetings		
277	Inspection & Audit management	Solution should be able to give individual and consolidated dashboards on the status		
278	Inspection & Audit management	Solution should have an integrated case management for alerts		

279	Inspection & Audit management	Solution should capture the Compliance from the branch team along with time lines, in case of breach of timelines system should notify the relevant authorities as per the approval cycle defined. System should sent regular notification and reminder to authorities in the branch for the deadlines		
280	Inspection & Audit management	Solution should capture the Compliance from the branch team along with time lines, in case of breach of timelines system should notify the relevant authorities as per the approval cycle defined. System should sent regular notification and reminder to authorities in the branch for the deadlines		
281	Inspection & Audit management	System should enable Auditor to capture required information related to various internal and external audit of Branches & HO like Risk based internal audit, Concurrent audits etc.		
282	Inspection & Audit management	Solution should be able to capture the information related to the product and offered loans to the borrowers and provide the comments in the system by the auditor based on the ICQs. All comments against the ICQs should be captured.		
283	Document Management system	Solution should have capability to store and retrieve document, perform indexing, provide role based access of the documents		
284	Document Management system	The solution should make provisions for instantaneous document search by text content, metadata, or any other file attributes such as name, extension, etc.		
285	Document Management system	The solution should be compatible with technologies and communication platform		
286	Document Management system	The solution should support compression/decompression, searching and indexing to minimize traffic loads on the network		
287	Document Management system	The solution shall provide facility to index at multiple levels – Batch, folders, files, page and documents on user-defined indexes like department, office type, file number, year etc.		
288	Document Management system	Every document version must be able to have its own individual access control rights and metadata values that can be changed without affecting other versions of the same document.		
289	Document Management system	Solution should not have any limitation on defining custom metadata fields		
290	Document Management system	Solution should support associating metadata to records.		
291	Document Management system	Solution must support multiple types of metadata.		
292	Document Management system	Solution shall have an In-built editor for entering the notes.		
293	Document Management system	The solution shall be able to keep track of the document & workflow status, the date/time the jobs are started and ended, the creation and archival date of the documents.		
294	Document Management system	Solution should have the OCR/ICR ability to process documents based on images for customer acquisition and lead generation. The platform should receive and process documents in file formats including but not limited to PDF, XML, XLS, CSV, WORD, JPEG, PNG etc. and tag them with the respective leads (loan applications). Using OCR/ICR, the data fields should be auto populated.		
295	Document Management system	Solution should have the functionality to upload necessary documents required at every stage of lending.		
296	Document Management system	Solution should support availability of including but not limited to latest application forms, borrower / guarantor / co-obligant profile format, Guarantor consent letter, Asset Liability declaration, Opinion report, Pre-sanction / Post sanction format, etc.		
297	Document Management system	Solution should have the capability to search and generate reports/documents which are stored in the system including but not limited to Valuation reports, Title Investigation report, Financial data and statements (Balance Sheet, Cash flow Statement, P & L account, Funds flow statement, Transaction Account Statement, Financial ratios, Credit Risk Assessment Reports, Risk Scoring cards, Credit Bureau Reports, Credit Memo/Customer Appraisal Memo(CAM)/Detailed Appraisal Note(DAN), Executive Summary, Facility Offer Letter/Letter of Sanction/Letter of Intent etc., Generation of Decline/Rejection Letter, Control Sheet, Pre disbursement Compliance Sheet/ certificate, Any other document as needed by Nabfins		
298	Document Management system	Solution should have the capability to search document in the financial ecosystem through API integration and generate reports including but not limited to CKYC, e-KYC validation, financial reports, External rating, CERSAI, Land records, IT validation, PAN validation, RC Book Validation, VAHAN Validation, SARATHI validation etc.		

299	Document Management system	Solution should display dates of Pre and Post inspection report along with Name and Designation of inspecting official with Geo tagging		
300	Document Management system	The bidder needs to configure and customize document management processes and create a seamless association of digital content across all loan products in the solution.		
301	Document Management system	The solution should support version control mechanism to track the documents while also allowing rollbacks		
302	Document Management system	The bidder should make provisions for instant results and quicker retrieval of key documents by advanced content management capabilities and advanced filtering criteria		
303	Document Management system	The solution should support smart archival of documents of multiple and varying formats		
304	Document Management system	System should capture details and print standard loan documents in the prescribed format as desired by the Nabfins such as: Demand note, All types of loan agreement, Detail Appraisal Note (DAN), Disbursement request letter, Sanction letter along with customer acknowledgement, CA certificate, Site visit report ,Disbursement Note ,Disbursement advice ,Screening Note ,Data entry format for minutes of meeting ,Security acceptance letter ,Letter of repayment ,Letter of guarantee ,Hypothecation agreement ,Memorandum of title deeds ,Any other standard documents ,Pledged Supply Bills ,Letter of continuity ,Letter of Interest variation , Power of Attorney ,Letter of renewal ,Letter of revival ,Consortium Advance Letter , Credit Memo, Facility Offer Letter, Executive Summary, Decline Letter, Control Sheet ,Pre disbursement compliance Sheet/ Certificate, Loan Account Review document ,		
305	Document Management system	Solution should have inbuilt DMS for the storage and retrieval of documents with their associated indexing and metadata		
306	MIS & Report	System should provide Exceptional Reports- Credit Risk Indicators: Quick Mortality Accounts; Non Starters details etc. to the officials for further assessment and review		
307	MIS & Report	System should provide User & roles specific dashboard on Demand Vs. Collection; NPA recovery; OD Slippage; NPA Slippage etc.		
308	MIS & Report	The Solution should enable user to create the report and report format using drag and drop feature from GUI, the feature should be provided to limited user of NABFINS		
309	MIS & Report	System should provide Reports to Tele callers like Random Sample to Tele callers for following up with customers and perform Outbound calls & marketing call for cross sell/upsell etc.		
310	MIS & Report	The system should be able to generate the following report but not limited to:		
310.1	MIS & Report	Lead Report		
310.2	MIS & Report	Customer Information Reporting		
310.3	MIS & Report	Loan Application Reports		
310.4	MIS & Report	Loan Application Received Report		
310.5	MIS & Report	Loan Sanctioning Reports		
310.6	MIS & Report	Loan Disbursement Report		
a	MIS & Report	Disbursement Report		
b	MIS & Report	Partial Disbursement Report		
c	MIS & Report	Un-Disbursement Report		
d	MIS & Report	Disbursement details against sanction cases of a particular date range		
e	MIS & Report	Sanctioned but not disbursed Report		
310.7	MIS & Report	Loan Monitoring/Servicing Report		
a	MIS & Report	Balance Outstanding Report		
b	MIS & Report	Statement of Account		
c	MIS & Report	Statement of Interest Calculation		
d	MIS & Report	Default Case Report		
e	MIS & Report	Recovery Report		
f	MIS & Report	Interest Receivable		
g	MIS & Report	SMA Report		
h	MIS & Report	Employment Generation Report		

i	MIS & Report	Loan Master Detail Report (displaying fields such as - Customer Name, Project Name, Account No, Sanction Date, Sanction Amount, Interest Type and Rate, EMI/Instalment Amount, Tenure, Product, Industry, MSME Type, Disbursement Details, Balance Outstanding, NPA Status etc.) with ability to exclude/include fields/columns		
j	MIS & Report	Refund of Excess EMI/NON EMI Report		
k	MIS & Report	Details of Receipt		
310.8	MIS & Report	Loan Collection Reports		
a	MIS & Report	Report of the defaulter along with the current contact address		
b	MIS & Report	SMA1, SMA2 Report		
c	MIS & Report	Non-compliance indicator report for instalments lapse		
310.9	MIS & Report	Legal/Court Case Related Reports		
a	MIS & Report	Case Filed Report		
b	MIS & Report	Court Proceeding Report		
c	MIS & Report	Legal Document Execution Report		
d	MIS & Report	Security Charge Report		
e	MIS & Report	Security Report		
310.10	MIS & Report	Interest Change/PLR/EBR Reports		
a	MIS & Report	Details of loan accounts with interest rate on a particular date/date range with Spreads(in case of PLR/EBR link)/Fixed etc.		
b	MIS & Report	Account wise Interest Rate Details		
c	MIS & Report	Ability to generate the PLR/EBR change report by date range		
310.11	MIS & Report	Loan Restructuring Reports		
a	MIS & Report	Loan Restructuring Report		
b	MIS & Report	Balance Outstanding of Restructured Loan accounts (Date range) as on a specific date.		
310.12	MIS & Report	Loan Settlement Reports		
a	MIS & Report	Interest Receivable from NPA		
b	MIS & Report	NPA Recovery Report		
c	MIS & Report	Potential NPA Report		
d	MIS & Report	NPA Monitoring Report		
e	MIS & Report	Aging Report		
f	MIS & Report	NPA Provisioning Report		
g	MIS & Report	Asset Classification Report		
h	MIS & Report	Early Warning		
i	MIS & Report	Recovery – Reports with NPL calculated automatically from the system		
j	MIS & Report	Non-Performing Assets (NPA) register		
k	MIS & Report	NPA upgraded/Degraded report		
310.13	MIS & Report	ALM Reports		
a	MIS & Report	Asset Liability Management (ALM) Reports		
b	MIS & Report	Receipt V/s Disbursement Report		
c	MIS & Report	Loan Written off Related Reports		
d	MIS & Report	Ability to generate the list of Write-off Cases - Write-off Date, Amount, Interest Waiver etc. on Location/Branch wise, State, Industry, Product wise , financial year wise, date range wise etc.		
310.14	MIS & Report	Business Partner (B&DC/B&DF/other partner) Related Report		
a	MIS & Report	At a glance report		
b	MIS & Report	portfolio ageing		
c	MIS & Report	Business partner wise commission/fee calculation report including GST		
d	MIS & Report	Business partner wise Fee payment history		
e	MIS & Report	Business partner wise, Statewise,Districtwise list of accounts		
f	MIS & Report	Business partner wise, state wise, district wise and gender wise activity report		
g	MIS & Report	Business partner wise recovery/collection report		
h	MIS & Report	individual customer loan ledger		
i	MIS & Report	Business partner wise Asset classification/SMA/DPD report		

311	Audit Trail management	Solution shall be able to automatically record an audit trail of events under the control of the system, storing information about: Action which is being carried out, The object(s) to which the action is being applied, The user carrying out the action, The date and time of the event		
312	Audit Trail management	Solution shall support Audit- trails at user levels. Solution shall provide facility to generate Audit trails on separate actions, and between specific date/ times and shall maintain a log of failed attempts to log-on to the system.		
313	Audit Trail management	The Solution shall track and record information about events in the audit trail without manual intervention.		
314	Audit Trail management	Solution shall log all the actions done by individual users with username, date and time and the administrator shall be able to generate detailed audit logs and history of the process instance. The solution shall ensure that audit trail data cannot be modified in any way, or any part of the data be deleted by any user, including an Administrator.		
315	Audit Trail management	Solution shall ensure that the selection for audit trail tracking, and all later changes to it, are also recorded in the audit trail.		
316	Audit Trail management	The Solution shall ensure that audit trail data is available for inspection on request, so that a specific event can be identified, and all related data made accessible		
317	Grievance management	System should allow customer, officials and agents to provide feedbacks and raise dispute/grievance through various modes: Mobile App, Portal, Call centre etc.		
318	Grievance management	System should send regular notification about the TAT for resolution to all the allocated personnel of the grievance/dispute/feedback		
319	Grievance management	System should have automated workflows in case of breach of TAT		
320	Grievance management	System should have Chatbot on the portal and mobile app that would be accessible without even logging in the system for providing relevant information to the borrower/agents and would become the first level resolution touch point of NABFINS		
321	Grievance management	Chatbot should be enabled with Artificial intelligence and Machine learning and intelligent enough to understand various languages (minimum as mentioned in schedule 8 of Indian Constitution) both through Type and Voice.		
322	Grievance management	Solution should have NLP feature to capture the requirement of the borrowers/Agents/officers in there natural form. Chatbot should have inbuilt voice capturing feature to enable user in raising the dispute/grievance/ feedback via voice		
323	Other requirements	All the components of the application should have the ability to be reused and replaced without affecting the rest of the system fostering ability, efficiency and resilience.		
324	Other requirements	Platform should be responsive,i.e.,the solution version should automatically detect the screen resolution of any device and respond with a view of the site that is optimized specifically for that screen.		
325	Other requirements	Platform should have the capability for user and platform administrators to customize the view of landing page and other screens through selection of widgets, tiles etc. with options to add or remove per preference		
326	Other requirements	DR related documentation to be provided (Disaster Recovery Plan, Disaster Recovery Procedure, Disaster Recovery Test Plan)		
327	Other requirements	Platform should provide Website Analytics - An administrative centre for reviewing, filtering and exporting overall website statistics, including the ability to view statistics by page or section and presenting the information in a graphical representation.		
328	Other requirements	Platform should protect both data in rest, data in motion and data in use.		
329	Other requirements	Platform should provide API integrations for all features is designed to integrate with other systems using RESTful APIs		
330	Other requirements	Platform should support out of the box console for monitoring and control of deployed rule sets, the rules sets should configurable and parametrizable through GUI through a workflow approval		
331	Other requirements	The System should be enabled to capture the consent of the borrower for cpaturing the KYC details and other PII details. System should provide the borrower with an option to withdraw the consent and accordingly system to display and store the information		

| 332 | Other requirements | The System should be able to store and mask the images of aadhaar and other PII information documents. Access of unmasked information shall be granted only and only to authorised personnels | | |

S. No.	Functional Requirement	Bidder's Response (S/C)	Bidder's remarks
General Ledger/ Schedule			
1	Ability to provide the facility to have multiple, independent general ledgers and sub-ledgers associated with respective independent general ledger		
2	Ability to allow information to be consolidated within and across general ledgers for (month end) reporting purposes		
3	Ability of each sub-ledger to relate to a separate control account in the general ledger and the total of individual sub-ledger associated with specific general ledger should match with the total of such associated general ledger at any given point of time. Ability of automatic posting (Postings to sub-ledgers should result in automatic postings to the control accounts in the general ledger).		
4	Ability to support accrual basis of accounting		
5	Ability to define calendar (sequence of day/month/ year) based on organization's accounting and reporting requirements		
6	Ability to do postings/ transactions in the next accounting period on real time basis, even if closing of the previous accounting year is not completed.		
7	Ability to close an accounting period to prevent any entries in that period		
8	Ability to roll over to next calendar date after 2359 hrs		
9	Provision to account for transactions falling within a particular FY which is under audit, in the immediately opened succeeding FY by authorized personnel. Software should not allow opening of closed audited annual accounts		
10	Ability to control users to access past accounting period (could be month/open quarter) for adjustments (e.g. to reopen a period that has been closed).		
11	Ability to accommodate current and any proposed chart of accounts structure and organization structure		
12	Ability to provide facility to define and relate the following logical grouping structure and numbering convention to the chart of accounts: - Entities - Corporate - Profit Centre/Cost Centre		
13	Ability to have parent-child hierarchy in chart of account values.		
14	Addition /disabling of any account code should be restricted with access to centralized finance team		
15	Ability to restrict posting in specified account codes by the branches/ CPC/ any other parameter		
16	Ability to provide facility to amend and disable the entities (e.g.:- department, division) and its relationship		
17	Account codes should be unique and any account code (whether disabled or current) should not be reassigned or modified		
18	Ability to display GL account balance in multiple views as follows: - Statutory - Responsibility (e.g.- Cost centre, division/departmental reporting) - Geographical - Regulatory - MIS/ BI and others And final outcome should be a 360 degree view		
19	Ability to drill down from GL to source documents and vice versa		
20	Maintain financial transactions history as per the rules and regulations applicable to NABFINS as per RBI, NABARAD, ICAI, Income Tax Act and any other statutory act which will be binding on NABFINS within the contract period		
21	Ability to display account activity including opening balance, movement for the period, closing balance and year to date balance, voucher wise debit and credit totals		

22	Ability to maintain the following master data records to store control information on how postings done into the general ledger account: - - Name of the account - Description - Type of account (e.g. revenue/asset/ expense/liability/capital & reserves) - Tax posting (tax in already paid amount and tax on accrued amount) - Reconciliation account in nature (e.g. Debtors' Control account) - Any GL which is not having sub ledger posting of vouchers should be made directly - Automatic posting to prevent manual posting to accounts (e.g.: - Accounts Receivable, Account Payable)		
23	Ability to connect SL masters to the GL master in hierarchy		
24	Ability to - Copy account codes between entities/branches/CPC etc. - Close account codes - block/ mark for disabling as per authorization matrix		
25	Ability to close the accounting year once the auditing has been completed and open a new accounting year which is immediately succeeding to the audited year with the same charts of accounts as in the immediately preceding accounting year		
26	Ability to:- - Assign an activity status to accounts (e.g. - active/inactive) - Retrieve an account master record via account alias		
27	Ability to generate alert/ auto email/ SMS to relevant users (internal and external) on some pre-defined actions		
28	Ability to provide audit trail to log the creation, amendments, transaction posting and disabling of each GL account code		
29	Ability to control creations, amendments and disabling of GL Master data by user-defined authorization.		
30	Ability to search account code, account name or responsible area during posting of documents		
31	Ability to provide facility of Look up accounts number and descriptions during journal entry		
32	Ability to electronically route journal for approval to an authorised user before posting to the general ledger. If rejected, the journal should be automatically routed back to the originator for correction.		
33	Ability to assign unique number to journal entry		
34	Ability to control journal posting function by user-defined authorization		
35	Ability to provide facility to specify templates to capture details of recurring transactions (e.g.: - fixed prepayments and accruals)		
36	Allow amendment or deletion to recurring transactions prior to posting		
37	Ability to provide running total of debit/credit amount		
38	Ability to request for authorization of transaction exceeding maximum or transaction limits by user-defined authority		
39	Ability to ensure that all necessary postings from various other modules are posted to the ledger before starting the closing run (closing could be on daily basis)		
40	Ability to automatically generate the provisions for administrative expenses, materials/services received but invoice not received as well as invoice received not paid		
41	Ability to automatically carry forward balances at the end of the year to the balance sheet and reset all profit and loss account.		
42	Ability to restrict marking accounts as inactive if there is any balance in the account		
43	Ability to prevent inactive accounts (if it does not have any balance) from appearing on reports and financial statements		
44	Ability to provide an electronic platform for units to record inter-unit transactions, with provision to view scanned documents		
45	Automatic alerts (email/ SMS) in inter-unit accounting recipient unit that an entry pertaining to the unit has been made		

46	Ability to provide for electronic acceptance or rejection of inter-unit accounting by the recipient unit with provision for comments. Ability to mark inter-unit transactions clearly as accepted or in dispute on the face of the GL report voucher wise		
47	Ability to generate a report of pending, responded and unresponded IUTs		
48	Ability to automatically create relevant accounting entries at both units on acceptance of the inter-unit accounting by the recipient unit and distinctly marked with units which have accepted/ rejected		
Manage Accounting Year-end Closing			
49	Ability to perform unlimited closing cycles		
50	Ability to perform month-end (soft closing) and year-end closing.		
51	Ability to automatically, at period end: - Post accruals - Reclassify credit and debit balances for reporting purposes		
52	Ability to automatically update the closing balance of the previous accounting period and opening balance of the current accounting period with prior accounting period transaction postings when the accounts have not been closed for all ledger balances. (e.g.: - actual, budget, statistical)		
53	Ability to process the following types of transactions: - Current period transactions in the current period - Prior year transactions for the previous accounting period posted in the current period		
54	Ability to allow for user-defined rules to facilitate consolidation for similar and dissimilar chart of accounts		
55	Facility to make adjustment/provision entries to the consolidated Trial Balance with consequent impact on individual unit Trial Balance without manual intervention at unit level/granular level i.e., - branch, state, company as a whole		
56	Ability to : - Consolidate at multi levels - Consolidate actual and budget at balance sheet, profit/ loss account, cash flow statement, expenses and revenue account levels - Automate generation of elimination transactions - Automatic generation of inter unit balances		
57	Facility to change consolidation logic from time to time with proper authorization		
Accounts Receivable			
58	Ability to fully integrate account receivables to the general ledger and the cash book with a 360 degree view		
59	Ability to maintain borrowers (& any other as defined by NABFINS) record/ account in the system		
60	Flexibility to record receivable data: - From other system - Manually (direct record by the user)		
61	Ability to integrate with core solution to receive core MFI Solution data and other details		
62	Ability to raise invoice based on the data received and post corresponding financial entries		
63	Ability to raise invoice by inputting data manually in the invoice form		
64	Ability to generate daily consolidated billing reports based on different parameters and consolidated report on total receivables at any point of time		
65	Ability to record non-sales related receivables like borrowings, deposits, sale of investment, sale of assets, outstanding receivables considering payment terms, inter bank transfers, and other miscellaneous collections		
66	Ability to provide for automatic provisioning of bad debt/doubtful debt based on user defined parameters		
67	The system should automatically write off bad debts after specific period (180 days or as defined by NABFINS).		
68	Ability to record payments received through various modes - Cash, cheque, bank draft etc. - Bank transfer - Offset with other expense or GL account (with proper authorization)		

69	Ability to manage:- - import dishonoured cheque details in an electronic media supplied by the bank - sending email, SMS alert to the debtor party, party whose cheque has been bounced and internal stakeholders in case of dishonoured cheque, with reason for dishonour - Post adjustment into the entity account. e.g.: - reverse the original payment transaction to reinstate the original debt		
70	The System should users to define the input the parameters also system should extract relevant data from Core system for performing the ECL analysis as per latest IFRS and IndAS standards		
71	The System should perform the data cleansing as required before feeding the data into the ECL engine		
Accounts Payable			
72	Ability to capture the following information in Vendor Master, but should not be limited to :- - Vendor account number, vendor type, vendor name, address, fax, telephone, email, contact person, payment terms, payment methods, payment charges to be recovered, vendor bank details, TAN number, service tax no., applicable service tax clause and other statutory details		
73	Ability to provide a list of the blacklisted vendors so that they are debarred for any future transactions		
74	Ability to provide invoice register facility by which the invoices could be logged prior to entry into the ledgers		
75	Ability of the system to provide processing of following payables - Against purchase order/ contract only (applicable to advance payments) - Against purchase order/ contract only with a goods receipt note/ service receipt note and invoice - Ability to automatically generate debit/ credit memos		
76	Ability to capture the following information for each transaction, but should not be limited to:- - Vendor code, Internal transaction reference, vendor transaction reference, transaction date, due date for payment calculated by the system from the payment terms, posting period and sending the alert to the finance department as per the payment schedule defined in the master		
77	Ability to provide manual entry of payables with actual cash outflows with role based access and restricted to defined account codes with prescribed limits		
78	Ability to produce payable reports on demand within the system (but should not be limited to):- - By invoice date - By vendor type - By region/ division/ unit		
79	Ability to trigger a warning if invoice amount exceeds balance of operating expenditure budget and provision to pass entry overriding the warning with appropriate authorization		
80	Ability to block posting and trigger alert if invoice amount exceeds balance of capital expenditure budget		
81	Ability to make payment via methods such as :- - Cash - Cheque - manual and pre-printed - Bank transfers - Foreign currency		
82	Ability to over -write minimum and maximum value range and specify another payment method during the payment run		
83	Ability to capture the recurring payment information, not limited to the following fields:- - Name of the vendor - Invoice number - Recurring number - Accounting information - Start and end payment date - Frequency of payment indicator to identify the frequency of the recurring payment (e.g.:- weekly, monthly, quarterly, biannually, annually)		
84	Ability to make payment with invoices automatically using user-definable rules such as :- - By oldest invoice - By specific invoice		

85	Ability to make partial payments from a single invoice or group of invoices		
86	Ability to provide feature to cancel payments and cheques with reversal accounting entries and recording of proper reasons to cancel		
87	Ability to automatically post to appropriate general ledger:- - Cash discounts received - Gains or losses from underpayment or overpayment - TDS or other taxes as applicable - Service tax paid to vendor as input service tax credit - Bank Charges - Gains or losses from exchange rate differences		
88	Ability to print TDS certificates and print VAT and TDS report compliant with regulations		
89	Ability to integrate with bank portal for sending payment instructions		
90	Ability to view the account balances:- - In summary(opening balance, transaction per posting period and closing balances) - By line items (drill down from summary) - Drill down to document detail (e.g. purchase requisition, purchase order, invoice etc.)		
Reimbursement and Payroll Processing			
91	Ability to process payroll centrally for all locations		
92	Ability to seamlessly integrate with HRMS module		
93	Ability to apply all required taxes on employee payroll - TDS/ professional tax etc.		
94	Tax calculation should take into account employee investment declaration in ESS in the beginning and end of year		
95	Ability to calculate HRA Rebate as per the prevailing Income Tax Law/Rules		
96	Ability to handle tax exemptions as per the prevailing Income Tax Law/Rules		
97	Ability to calculate Gratuity as per PGA 1972		
98	Ability to adjust Gratuity Forfeiture		
99	Ability to handle GPF/VPF rules like Calculate and deduct contributions according to the respective Statutory Acts/ Company policy etc, Maintain individual GPF/VPF accounts and generate individual account slip for every financial year		
100	Ability to handle ESI calculations and associate payroll calculations		
101	Ability to calculate arrears in case of salary changes are made with retrospective effect at organisation, employee category or individual employee level or promotion is done with retrospective effect among others		
102	Provision to allocate cost of employee & Other agents based on his/her associated department/branch		
103	Ability to handle transfer of PF amount (including employee and employer contribution) to trust/ govt. fund etc. as applicable and maintain record for the same		
104	Ability to generate various reports like Department/ grade wise/ location wise: - Payroll report - PF report - Gratuity Report - TDS report etc. with 360 degree view		
105	Ability to process employees reimbursements either with payroll or separately		
106	Ability to handle employee loans and advances with provision to recover from salary as EMI or in one go (as part of salary or otherwise) as applicable		
107	Ability to generate salary slip/ Form 16 etc. other financial documents for on-deputation employees		
Cash Management/ Treasury			
108	Ability of the cash book to receive automatic postings from the accounts payable and accounts receivables together with manual postings of other payments and receipts		
109	Ability to have integration with General Ledger. Posting will update specified general ledger accounts and general ledger cash book balances		
110	Ability to generate the advise for the unit to pass the journal entry to reverse the inter-unit account post receipt of funds		

111	Ability to enter bank statement details:- - manually - by electronic means to match bank transaction information with receipts and payments in the system to produce an electronic bank reconciliation		
112	Ability to record bank statement transactions including:- - bank and other charges - interest received or paid - electronic fund transfers - periodic payments - dishonoured cheques (incoming/ outgoing)		
113	Ability to automatically generate postings into the general ledger for outgoing cheques/ transfers as follows: - - cleared cheque/ bank transfer data delivered by the bank to generate the clearing entries		
114	Ability to automatically generate postings into the general ledger for incoming cheques/ transfers as follows:- - Bank transfers and cheques received/ banked in to generate the clearing entries		
115	Ability to:- - Allow update of bank balance by bank accounts - Group bank accounts in a logical hierarchy by the type of account - Display bank accounts by group or in more details by bank accounts via drill down		
116	Ability for the system to automatically reverse items outstanding for more than three months in collection and payment account upon approval to a separate account called stale cheque (collection) a/c and stale cheque (payment) a/c		
117	Ability to forecast cash outflow based on:- - Liabilities from account payable and borrowings, payroll due within a user specified period - User defined level. For example, at HO (e.g. centralized) or at individual department (e.g.: - decentralized)		
118	Ability to produce forecast cash flow statement for a pre-defined period adding all expected inflows and all expected outflows for the mentioned period		
Budgeting/Analysis			
119	Ability to create the following budgets but not limited to: - Revenue budget - Operating Expenditure budget - Capital Expenditure budget - Investment budget (investment program)		
120	Ability to calculate and compare budget vs. actual in: - Amount variance - Percentage variance		
121	Ability to: Maintain the original budget version and the revised budget version Update the original budget by - Increasing the budget amounts - Reducing the budget amounts - Transferring budget amounts. e.g. Transfer budget from division to other division within same circle and one accounting head to another accounting head.		
122	Ability to control the following activities by account, date of change and user IDs: - lock subsidiary budgets and master budget so as no changes can be made once approved - unlock such budgets to reflect budget changes as per authorization		
123	Ability to: - Disallow posting into a GL account prior to budget approval - Allow posting into a GL account only after approval of budget		

124	Ability to copy budget values into a new budget version: - from a reference budget version (e.g. previous year budget or forecast budget) - by selecting specific revenue/ expenditure accounts		
125	Ability to allow input budget data at higher level within the budget hierarchy and perform the following: - manually allocate amounts to detail level based on user-specified methods - allocate via automatic pro-rate apportionment to user-specified detail accounts		
126	Ability to allocate budgeted overheads at the same level that actual expenses was allocated or based on information from other accounts. For example, - Budgeted general expenses may be apportioned based on previous year actual.		
127	Ability to define tolerance limits either as a percentage or absolute value, depending on the amount exceed, automatically perform the following: - Trigger warning to user - Trigger warning to user and mail to budget owner - Disallow posting		
Costing and Financial Control			
128	Ability to allocate cost in various levels, for example: - Cost centre (Department/ branch/ Location) - Borrower & other agents of NABFINS (B&DC/B&DF etc.) - Activity		
129	Ability to allocate actual or budget amount based on: - Fixed percentage - Variable percentage - Level of activity or statistical information (e.g. floor area, number of employees) - Budgeted value/ quantity		
130	Ability to support cost centre accounting as per cost centre hierarchy		
131	Ability to analyse costs and expense separately by cost centre, profit centre, account code level, account group level and Functional entity level		
Profitability Analysis			
132	Ability to define profit centres which could be insurers among others		
133	Ability to allocate revenues and cost, profit centre wise		
134	Ability to group profitability analysis report based on multiple parameters like policy type/ product/ customer category etc.		
Fixed Asset Accounting			

135	Ability to maintain the following information in the fixed asset master, but should not be limited to:
	- Asset number
	- General information (e.g. description, make/model, quantity, acquisition date, owner unit, using unit)
	- Posting information (e.g. capitalisation date and amount, asset expiry date)
	- General ledger account assignment
	   -Accumulated depreciation
	   -Depreciation
	   -Gain/ loss on disposal
	- Revaluation
	- Information on the origin of the asset (vendor information e.g. serial number)
	- Purchasing information (e.g. vendor number, purchase order number, receiving number)
	- Physical inventory data
	- Budgeting data (e.g. budget number)
	- Insurance data/ warranty
	- Depreciation data - asset useful lives, useful date, residual value, depreciation method
	- Asset location
	- Asset class/subclass
	- Asset type
	- Remarks-		

136	Ability to define fixed assets at different levels such as: - Group asset (main and components) e.g. Land & Building - Asset class/subclass (Group asset belongs to an asset class as per user defined norms) e.g. factory land - Asset type (e.g. tangible and intangible) - Balance sheet (asset class is assigned to GL account code. This forms the balance sheet item)		
137	Ability to generate Fixed Assets schedule in accordance with the Companies Act		
138	Ability to generate Fixed Assets schedule in accordance with the Income Tax Act		
139	Ability to generate Fixed Assets schedule in accordance with other Statutory and Regulatory requirements		
140	Ability to update Fixed Asset Register upon capitalisation of asset		
141	Allow for asset additions and capital improvements including: - acquisition and capital improvement costs and dates; - maintenance costs and dates; - original and extended useful life; - mass additions.		
142	Ability to capture expenditure under "Capital Work-in -progress" , till completion/commissioning of Asset		
143	Ability to capitalize asset via: **Integration with Accounts Payable** - Post the asset acquisition and the corresponding vendor liability in one transaction **Integration with Purchasing** - Upon receipt of asset (with value), before invoice receipt - Upon receipt of invoice, asset is received (unevaluated) earlier		
144	Ability to capture information such as: - Date of transfer - Previous department - Cost, accumulated depreciation and net book values transferred		
145	Ability to identify "assets not in use/ awaiting disposal" based on user-defined criteria (e.g. asset class, location). The listing should contain the following information, but should not be limited to: - General master data - location, description, make/ model, acquisition date - Asset history - Asset values (book value)		

146	Ability to perform the following within the Fixed Asset system: - Perform complete/ partial retirement - Provide simple method of retiring low value assets - Perform mass retirement		
147	Ability to capture disposal information such as: - Date of retirement - Cost, accumulated depreciation and net book values written off - Sales proceeds - Gain/ loss on disposal - Reasons for retirement - Mode of retirement e.g. sold, scrapped ,donated etc.		
148	Ability to post automatically or manually to the respective account codes in the General Ledger: - Gain or loss on disposal; - Sales proceeds; - Capitalization cost; and - Accumulated depreciation - Depreciation		
149	Ability to capture the following information: - Revaluation amount - Revaluation date - Revaluation method - Valuers' reference - Computation of revaluation surplus/ deficit and diminution		
150	Ability to process the results of the inventory manually or automatically by: - Making comparison with information in the database - Retiring the asset if asset is confirmed missing - Change location if asset has changed location		
151	Ability to capture the following information for all types of adjustments namely change in depreciation percentage, method of charging depreciation, change in asset retirement policy such as: - Date of adjustment - Cost, accumulated depreciation and net book values adjusted - Adjustment reference document(if any) and authorization		
Planned Procurement			
152	Ability to raise a Purchase Requestion (PR) for both goods and services		
153	The Purchase Requisition should have the following Details: • Item wise name& code • Item wise quantity • Item wise Unit • Item wise last Purchase Price • Details of requesting entity along with applicable indent no, if any		
154	The system should allow PRs to stay alive for a specific period, with flexibility that if required User can extend the period (it should be configurable)		
155	The System should allow automatic loading of finalized(reviewed) items from PR in PO template. In case the purchaser raises a partial PO for a requisition, its part requisition and the associated indent should stay alive for future activities.		

156	The System should allow at least following configuration for a PO • PO Number and Date • Supplier, his associated code and rating • Delivery date • Payment due date. In case if this is filled in the rate contract screen, then by default it should come from there which can be changed by purchase if required. • Item wise details • Item wise unit • Item wise quantity • Item wise rate (should be coming from rate contract and cannot be amendable at PO level) • Item wise discount percentage and amount • Item wise tax percentage and amount • Item wise and total any delivery charges. These can be on the whole PO or on selective items on PO and not the whole PO. • Item wise and total MRP • Item wise any remarks • PR & indent no. • PO Remarks • PO terms & conditions and more		
157	The System should allow to select the raised PO from the list against which the delivery is made and the PO details will load onto GRN/ SRN screen: • PO number • Vendor details • PO raised date • Current date • Payment due date • Invoice amount of PO • PO delivery charges • Item wise details and the cost breakup as mentioned in PO		
158	The System should allow at least below configuration for a GRN/ SRN: • Invoice number • Invoice date • Date of receipt • Delivery Challan number and other details • Quantity received • Item manufacturer (default data from masters) • Requesting unit details		
159	The system should automatically adjust the finance posting in case of GRN/ SRN cancellation		
Tax Management			
160	Ability to define tax structure for all taxes applicable for NABFINS - Corporate tax -TDS (employees and vendors) - Service Tax - Professional Tax any other tax as per Income Tax Act of India		
161	Ability to define tax slabs for all applicable taxes		
162	Ability to generate TDS returns file in the pre-defined format as required by tax authorities and upload tax returns electronically and submit details requested for by tax authorities electronically		
163	Ability to issue certificates to entities for various tax recoveries and remittances as defined by Income Tax Act		
164	Ability to calculate, apply, pass, verify and post all tax related entries		
165	Ability to create provision for tax payments		

	Financial / MIS Reporting Requirements		
	Statutory Reporting system		
166	Ability to produce the following financial reports in multiple levels (e.g. whole organization, reporting units such as division) and for a user-defined period (for the month, year to date), but should not limited to: - Profit and loss account - Balance sheet - Trial Balance - Cash flow and Funds flow statement - Notes to the financial accounts (account breakdowns) - Any IRDA requirements (from financials or from core)		
167	Ability to produce user defined GST ,TDS etc statutory Reports. These reports should contain all the usual details (E.G. For TDS report, PAN #, Employer's TAN #, Deducted TDS amounts etc. details should be present.)		
168	Ability to provide for generating REGULATORY & statutory reports as per prevailing laws		
169	The Integrated Solution should be able to generate financial statements under IFRS and Indian GAAP seamlessly at any point of time with detailed reconciliation between the two as reconciled through the Integrated Solution.		
	Management Reporting		
170	- Analysis of Profit and Loss account - Analysis of operating expenses - Analysis of Balance Sheet - User defined Inter Organization report - Ratio Analysis Reports		
171	Ability to provide exception reports for responsible areas (e.g. Departments) that exceeded budget with details such as: - Revenue/ expenditure (according to chart of accounts) - Actual to date - Budget - Variance (i.e. amount in excess of budget)		
172	Ability to provide profit/loss reports by various dimensions like profit centre wise, insurer wise		
173	Ability to provide for complete asset history, for example: - depreciation, depletion and amortisation current period, year-to-date, accumulated - net book value and residual value for finance and tax - remaining life - history transactions with line-item - repair and maintenance tracking - warranty claims and settlements tracking - insurance claims and settlements tracking - acquisition and retirement date.		
174	Ability to provide flexible Report Writer with the following minimum features: - Specify the format and layout of reports - Summarize and total the information to be reported - Select records to be included in the report - Select details from from each record to be included - Perform arithmetic calculation on the information selected or totals - Ability to add narrative comments to reports - Ability to show financial data in thousands, millions etc. without creating rounding problem - Store the report format for later use - Produce reports in graphical form for presentation purposes.		
	Accounting - GST Reports		

175	List of Accounts / Customers which attract GST and GST is not submitted		
176	Summary for Customer with Transaction Amount and Tax		
177	Report for reversal of GST input - Eligible, ineligible etc.		
178	Reverse charge details		
179	Detailed report for transaction done during period and tax collected (HSN/SAC wise etc.)		
180	Detailed report for transaction done during period and tax collected (HSN/SAC wise etc.)		
181	System should have all other reports required as per Statutory/Regulatory authorities		
	Accounting - Reports		
182	System should generate Trial Balance, P & L A/c & Balance Sheet, Cashflow statement, schedules forming part of Balance Sheet and consolidate the same at profit centre level and at corporate level.		
183	Trial balance generation to include branch wise, state wise, head office, and for entire organization		
184	System to collate various types of information for the purpose of various analysis of deposits/investments, advance, expenses, income and taxes		
185	System to provide for Off balance sheet items e.g. contingent liabilities, bills for collections, outstanding Purchase orders, Bank Guarantee etc.)		
186	Facility to have GL consolidation at different branch levels such as: • Branches • Head Office		
187	Facility to have final consolidation of the GL at Head Office		
188	System to generate Accounting Trial Balance such as: • standard trial balance as on date, • trial balance with date range, and • trial balance with opening balance for with opening, transactions summery and closing balance.		
189	System should be able to generate sub trial report.		
190	System to generate financial statements along with notes to financial statements as per GAAP (Generally Accepted Accounting Principals) and IFRS (Indian Financial Reporting Standards).		
191	System should be able to generate trial balance with additional information such as fair value, revaluation, etc. required by the IFRS.		
192	System should be able to generate any ledger reports at any time and at any level.		
193	System to generate statement of provisions as per user defined date / period at branch level as well as Head office level.		
194	System to support generation of Bank reconciliation statement related reports, Bank Statement report etc.		
195	System to generate a report at user definable time intervals for all transactions done in suspense (Sundry) accounts at the branch and head office account along with details of the transactions and outstanding from date range and amount wise		
196	System to support generation of schedule of open items lying unreconciled in the Suspense GLs / Assets / Liabilities with full details at predefined intervals specified by Nabfins		

197	System to provide reports as specified by Nabfins as on a particular date / range of dates including at least the following: • Trial balance by reporting currency, by branch, by state, Head Office and consolidated at Organization level • Balance sheet by branch, by profit centre and consolidated • Profit and loss by branch, by profit centre and consolidated • Cash flow statement by branch, by profit centre and consolidated • Detailed journal • List of accounting entries by batch • Listing of profit and charges entries posted • Age analysis of suspense accounts • Total credit and debits gone to GL account during a user specified period • Statement of maturity analysis of loans, advances, leasing, etc. on a time scale with values. • Movement of user specified GL accounts for reserves and provisions • Deposit analysis by branch, by age, by rate • Advances analysis by branch, by age, by rate		
198	System to at least consolidate: • Annually • Monthly / bi monthly • Half yearly • Weekly • Daily • As specified		
199	System to generate management information reports as specified by the Nabfins, as on a particular date / range of dates including at least the following: • Highlights of changes in deposits investment, advances, availability of lending funds, loans etc. in the form of an auto alert • Statement of breakeven rates for different advance schemes • Statement of interest received from the customers • Comparison of profit and loss of all accounting entities against the plan • Statement of cost allocation to cost centres and variance analysis • Schedule of fixed assets for all accounting entities • System to generate the monthly progress report branch – wise and consolidate the same for various branches at the head office based on parameters defined by Nabfins. • System to generate performance monitoring reports for branches on the basis of actual v/s budgeted and list variances in terms of amounts and percentages - needs to be discussed (Performance report linked with Budget and forecasting) • Effective rate of interest on advances classified in terms of different advances • Bucket - wise particulars of outstanding advances based on user definable criteria (e.g. unexpired period, slab - wise, maturing within x months etc.) for computation of structural an interest rate sensitivity statements as per user definable frequency. • Yield on advances		
200	System to consolidate the GL balances in INR		
201	System to view Closed GL Account details		
202	System to generate Cash Book on a particular date		
203	The system should support generation of P&L statement period - wise I.e. for current quarter as well as cumulative quarter		
204	Should be able to generate reports such as, Trial balance, sub trial, ledger reports, Financial Statements along with Notes to Financial statement		
205	System to generate a report for each general ledger account, sub - account, product / scheme for reconciliation. The system should generate warning messages in event the individual account / product totals do not match the GL totals		

206	Should be able to generate certificate for DIT and TDS based on the prescribed report format at any point of time, e.g. instantly, annually, etc		
207	Suite of standard expenses reports including: • expenses listing • analysis of expenses by code, employee, date, location • receipt and claim reconciliation reports • trend analysis • audit reports • information to identify potential tax dispensations • standard letter templates to cover common travel bookings, queries		
208	Generation/ creation of statutory reports. including ALM report etc		
209	Ability to customised report for MIS as per the management.		
210	Analysis e.g.: • analysis of expenses and travel expenditures • comparing planned travel / trip costs versus actual costs • monitoring employee's travel and expense accounts • analysis of data to streamline processes further • identifying spending trends and patterns (and then using the information to negotiate better supplier discounts and / or form strategic relationships) • System to generate a report with the date of lodging of claim, approval date and payment date • System should generate depreciation report		
Accounting - GSTN Requirement			
211	Data capturing of State wise GSTIN Number for Nabfins		
212	Data Capturing of GSTIN Number for the customer		
213	Data Capturing of GSTIN Number for the vendors		
214	Tagging of Income & Expenditure Heads within the Profit & Loss Accounts in Nabfins		
215	Transactions for the charges to enable the GST Transaction for the customer		
216	Tagging of transactions for the GST.		
217	Invoicing of the customer for the transactions.		
218	Data generation for Submission into format required by Tax Authorities.		
219	Direct Interface to GST Solution as and when implemented by Government.		
220	Reversal of tax for specific customer		
221	Returns for GST for the customer / Nabfins Data.		
222	Manual Transaction for GST collection		
223	Manual tagging / de tagging of the GST transaction within the Transactions.		
224	Dynamic Dashboards for the real time updates & statistics		
225	Real Time MIS Reports for Statistics of GST Collected.		
226	Reports to customers for the GST IN Submission for customers who have not submitted the GSTIN.		
227	Statement of GST Accounts with appropriate details for the transactions.		
228	Audit trail of all data stored for Customer & transactions.		
229	System should have facility for User to able to tag the income & Expenditure Accounts for GST		
230	System should have facility to define GST in the System.		
231	Facility to be provided to pass the Debit & Credit Note		
232	The system should enable user to capture the reverse charge		
233	The system should be able to group the GST statewise under various GL heads which will be further tagged under the companies GL code		
Accounting - Master Configuration			
232	The Accounting system should support IND AS standard Accounting system		
233	The proposed System shall have provision to define accounting periods (Financial Year) along with Opening and Closing feature		
234	All the functionalities and features of the proposed System should be accessible from a secure web interface which shall be user friendly and based on modern UI/UX design principles		

235	The Proposed System shall have provision to define an user definable numeric or alpha numeric GL codes as per industry best practices.		
236	System shall have provision to define any number of sub – ledgers/sub heads as per the requirements of Nabfins within the General Ledger or Sub-General Ledger based on profit centre and cost centre		
237	Main General ledger with the facility to generate sub-general ledgers based on profit centre		
238	The proposed System shall have provision to define accounts e.g. accounts with only debit balances, accounts with credit balances, nil balances etc.		
239	Facility to define account relationships		
240	Facility to create General Ledgers under the following categories which can have further different levels. The categories are as follows: •Asset •Liability •Income •Expenses •Contingent Asset •Contingent Liability		
241	System to support defining accounting entries to be generated at various stages etc. (e.g. entry stage, modification stage, deletion stage, reversal etc.) for all system / customer initiated transaction / events		
242	System should support creation of cost centres for all expenses / losses based on Nabfins policy		
243	System should have provision for separate payment method assigned to each expense code		
244	System to automatically transfer the amounts to a particular general ledger head based on user definable parameters I.e. matured deposits over "x" period, NPA accounts etc.		
245	System to automatically retransfer the amounts from the respective general ledger heads once the accounts have been re- classified as normal / regular accounts		
246	System to update the GL's maintained for different business units / branches through an automated interface with those systems.		
247	System to support creation for provisioning (e.g. expense, loss etc.) as per provision norms defined by Nabfins (parameterizable) based on user definable parameters e.g. x percentage of standard loan, y percentage of sub-standard loan, z percentage of doubtful loan, any combination etc. There should be no limit on user definable parameters as well as provision norms. Further the system should be able to permit the user to define the provision norms branch - wise, region- wise etc. as desired by Nabfins The provisioning for Loan account shall be integrated with system to avoid manual intervention		
248	System should have provision to accept encrypted and decrypted files for payment acceptance and generate encrypted files for bulk payment facilities		
249	System should be able to handle accounts receivable process including generation of vouchers, invoices, credit note and getting receipts against its on actual and accrual basis both. Various types of receivables could be rent, interest among others, advisory & consultancy service etc. Details of this need to be pull from concerned modules of the proposed Accounting System.		
250	System should be able to handle accounts payable process including generation of PR/PO, vouchers, entering invoice, Debit Note and making payments both for operating and capital expenditure.		
251	The system shall have provision to interface with system to capture the data related to loan disbursement, loan receipt, loan interest accrual, Asset Classification, provisioning, waiver, write-off etc with an automated mechanism		
252	The proposed system should have provision to integrate with Nabfins Banking Service provider through API banking/CMS/file upload features for making payments.		
253	System should have provision to capture ledgers for Employee/Vendor/Customer/supplier etc.		
	Accounting - Statistics & Volumes		
254	Number of employees claiming expenses		
255	Number of types of expenses claimed		
256	State expenses types		
257	Claims processed per week / month:		
258	System should have drill down facility from Balance Sheet, Profit & Loss & Trial Balance		

	Accounting - Transaction/Payment		
259	The proposed Accounting system should have provision to accept effective date of posting (entry) from the system		
260	System should provide facility for context sensitive updated on-line help for various GL heads / Sub-heads and P& L heads to be debited / credited at the time of posting and authorizing.		
261	The system should be able to freeze the accounts after adoption of accounts (user definable).		
262	System to support GLs where manual intervention is required and certain GLs where all the entries would be posted by the System.		
263	System to restrict direct posting to defined accounts		
264	System to define accounts as closed accounts with appropriate authorization		
265	System should support where the accounting activity is		
266	completely centralized		
267	completely decentralized		
268	Partial centralization		
269	Facility to support provisional closure (provisional freezing of accounts till adoption of the Financial Statements) and rollover to the next financial year.		
270	System to automatically update the respective account heads as defined for any particular transaction		
271	System should have automatic bank reconciliations features.		
272	Bank reconciliation should support the following:		
273	The system should facilitate automatically upload or fetched directly the bank statements received in electronic media (through file/API) in the format shared by banks with minimum manual intervention.		
274	The system should facilitate both automatic and manual intervention of the bank reconciliation process		
275	System should knock off the matched items depending on the variables defined by Nabfins and leave the residual unmatched entries for bank reconciliation open items		
276	Once the Bank reconciliation is done through the system then the same has to be locked and unlocked with the permission of given role.		
277	System to handle value date facility unless the accounts is freeze.		
278	The system should have facility to access budgeting and forecasting module/data/reports as and when required.		
279	The system should have support interfaces/API with other external 3rd party systems and have the ability to upload / download information to and from other systems.		
280	Remittance of TDS by nature of payments in Department of Income Tax . TDS module should be part of the accounting software		
281	The system should be capable of interfacing with all other functions within the organization		
282	The system should be able to manage pay and allowance and other employee related expenses by integration with HR & Payroll system		
283	Full compliance with income tax rules (Parameterized)		
284	Payment can made by:: • Electronic Fund Transfer • Cheque • Online Payment (through payment gateway/API Banking/CMS) • Fund transfer (through payment gateway/API Banking/CMS) • Cash payment		
285	Configurable frequency of payments e.g. daily, monthly		
286	Pay advances and automatically reclaim them, or deduct from expenses claim. The System should generate debit note and credit note automatically.		
287	Provision for directing exceptional transactions to system pointing account for smooth day end process with statement of exceptional transactions to be attended to on the succeeding day. A history file of such transactions to be available account wise/GL code wise/Branch wise for supervisory purpose		
288	Entries on blocked and closed/dormant accounts are only allowed to specific user role		
289	General provision requirements		

290	Recovery of taxes and other charges from members for a given period against the actual amount paid by Nabfins		
291	System should be capable to interface with deposit module (CFSS) in future during the project tenure as per RBI guidelines. Currently Nabfins is not accepting the deposit but in future as per RBI guideline if starts acceptance of deposit then the same module (CFSS) should be interfaced with the accounting software. The software should be scalable enough to interface.		
292	System should capable to interface with Nabfins HR&Payroll application and disburse the salaries and other allowances		
293	GST module should be part of Accounting software		
294	The proposed accounting system should be capable enough to manage Nabfins all vendors with required information and their ledgers		
295	System should process any Invoice and flow of automatic entry for payments & approvals		
296	To release part payment against an invoice and balance payment process on a subsequent date		
297	to facilitate statutory compliance related to GST/TDS at the time of capturing the expense data entry. The tax slab/rates are parameterised.		
298	Tracking of funds Utilization, Preparation of utilization Reports		
299	Ability to customize / generate various report as prescribed by RBI based on prescribed format		
300	Generation/ creation of statutory reports..		
301	Ability to customised report for MIS as per the management.		
302	System should facilitate audit trail of transactions/ record/ entry		
303	Separate login access right to auditor, to audit the transaction/ Books of accounts		
304	The System should have a fixed asset module with depreciation calculation method as per Statutory and Regulatory Guideline.		
305	The System should have facility to integrate with Budget & Forecasting Software		
306	The System should have provision for managing different investments in multiple segments by Nabfins (other bank investment in the form of FD, MF, Equity etc.).		
307	There should be a process flow where the various verticals can raise the fund request for a given day with funds department.		
308	The software should have feature which enable seamless payment process flow. (from payment origination to payment process and booking of necessary entries)		
309	The software should generate exception report based on the set parameters.		
310	The software should provide a report based on which the funds department can arrange for funds required on a given day, System should enable the department post due approval workflow to re-allocate funds within the departments		
311	The system should enable the funds department in preparation of information for refinance/withdrawal		
312	Platform should be able to accommodate different accounting calendars, configurable, such as 360 days, 365 days, 300 days etc.		
Investment/Refinance module			
313	The system should provide a user-friendly interface for entering data related to refinance proposals against the existing portfolio of loans.		
314	System on input of the required refinance amount and margin, system should identify the current gl balance of the refinance liability balance and validate against the existing assigned loan portfolio to ensure that the refinance and margin are covered		
315	System should enable user defined validation for enabling NABFINS in reviewing and validating the refinancing applications		
316	System should maintain the data of a unique refinance number, refinance availed data, amount availed and the corresponding margin		
317	System should auto-populate on screen the loan portfolio available for assigning afresh for a refinance application		
318	System should allow user to modify the required refinance plus margin and basis the loan data to be populated/ refreshed (available loan portfolio available and the actual portfolio required)		
319	System to consider the margin input above and display total corresponding to it (rounded off higher to the nearest 10000)		

320	The System should automatically map the selected loan accounts as assigned for refinance once the form is saved and submitted.		
321	The system should include fields for necessary information such as loan details, terms, and reasons for seeking refinance		
322	The system should support an exclusive "Add Mode" for entering new refinance proposals where only one user should be allowed to operate in "Add Mode" at any given time to prevent data conflicts. If another user attempts to access the system while one user is in "Add Mode," the system should detect this and initiate concurrency control measures like throwing alerts		
323	The system must display an alert message when a user attempts to access the system during an ongoing "Add Mode" session. The alert should inform the user that the system is currently in use for processing a refinance proposal, and only query operations will be allowed		
324	The system should perform validation checks on the entered refinance proposals to ensure the accuracy and completeness of the data. Validation checks may include verifying loan details, calculating financial metrics, and ensuring compliance with regulatory requirements		
325	The system should identify the current General Ledger (GL) balance of the refinance liability and validate the entered refinance amount and margin against the existing assigned loan portfolio to ensure coverage. During validation, exclude loan accounts that have become substandard from consideration.		
326	The system must allow users to manually update the margin amount for future variations.		
327	If there is a deficit in covering the refinance and margin with existing loans, the system should prompt users to assign additional loans against the existing refinance. If the loan portfolio does not suffice for the existing refinance balance or if no new loans are available for assignment, the system should display an appropriate alert and prevent further processing		
328	The system should display on screen the loan portfolio available for assigning towards a refinance application and include grid totals and have the select button selected by default.		
329	The system should allow users to modify the required refinance amount plus margin based on the available loan portfolio and refresh loan data accordingly.		
330	For refinance purposes the system must only show standard assets available for refinance and exclude all non-standard assets, also exclude corporate loans.		
331	The system will display below information for loan accounts already assigned for refinance in chronological order of disbursement date on the dashboard as well in the reports Branch Loan account number Product Date of Disbursement Amount Disbursed Loan Outstanding Rate of Interest (ROI) Asset Status		
332	The system will display a summary of the refinance data post-selection in the following format on the dashboard as well in the reports: Refinance application date Refinance amount Margin Number of members (showing number of women members explicitly)		
333	The system must provide users with an option to download the data in excel format, the data must highlight any accounts that are selected for refinance		
334	System should enable NABFINS in seeking term loan against the existing portfolio of loans		

335	The loan portfolio to be assigned against term loan could depend on the following criteria: Quantum of term loan: User input, numeric Margin : User input, numeric State: Single / multiple Branch: Single/ multiple Vertical – BNDC / DL/ None Product: Single/ Multiple Asset status- always STD		
336	System On the completion of each financial quarter should facilitate the user to map additional loans to ensure that the term loan outstanding and margin are met with		
337	At the time of extracting data of quarterly book debt statement for each term loan, the system should automatically remove the substandard assets and also assign additional loans as per the original criteria if there is a deficit		
338	Query option will be available to the user to view all refinance/ term loan applications with the list of proposals assigned to them. The query to fetch and show the latest outstanding for the loan accounts		
339	Query option to also be available to the user to view the refinance liability balance – tranche wise vis a vis the loan portfolio assigned		

S.No.	Particulars	Bidder's Compliance (S/C)	Bidder's Remarks
	FUNCTIONAL REQUIREMENTS		
1	**Encryption of Aadhaar Number and any connected Aadhaar Data**		
1.1	The Aadhaar number and any connected data maintained on the Aadhaar Data Vault should be kept encrypted and access is to be strictly controlled only for authorized systems.		
1.2	The platform needs to comply with the data encryption standards and storage policies requirements as mentioned by UIDAI.		
1.3	All encryption keys should only be stored in HSM infrastructure as mandated by UIDAI.		
1.4	UID Token should be stored as a mandatory part of solution.		
1.5	Demographic match from the Aadhaar Data Vault should be done using the UID token. Aadhaar number should not be used in such cases.		
1.6	The platform should be compliant/ support API 2.5 or other API version as designed by UIDAI		
2	**Generation of Reference Number**		
2.1	Each Aadhaar number is to be referred by an additional key called as Reference key. The proposed solution should have the ability to generate a reference value (key) which should get automatically associated with the Aadhaar Number or any other data stored in the vault.		
2.2	Mapping of the reference key and Aadhaar number is to be maintained in the Aadhaar Data Vault in an encrypted format.		
2.3	The reference number generated as such should be unique for each Aadhaar number. The chosen reference key method should ensure that the recovery of the associated Aadhaar Number must not be computationally feasible knowing only the reference keys or number of reference keys. Reverse engineering of the reference key or a series of reference keys to compute the Aadhaar number should not be technically possible as mandated by UIDAI.		
2.4	The solution should be capable of maintaining the integrity of encrypted Aadhaar number associated with reference key.		
3	**Retrieval of Reference Number**		
3.1	ADV should search for existence of encrypted Aadhaar Number in the storage during every call to store Aadhaar Number in ADV. If the encrypted value of the Aadhaar number being stored already exists in the ADV storage, then the same associated reference number should be returned back.		
4	**Support Storage of UID**		
4.1	The ADV solution provided by the bidder shall support storage of 72 digit UID.		
5	**Support Storage of Scanned Aadhaar Card PDF/ Image File**		
5.1	The ADV solution provided by the bidder shall support encryption and storage of scanned Aadhaar Card PDF/ Image file and any other document/ images as per the data encryption and storage guidelines issued by UIDAI in a separate File server		
5.2	Support Storage of e-KYC response in encrypted form		
6	Bidder shall abide by the Information Security Management System framework of the NABFINS which includes Incident Management, Change Management and Capacity Management etc.		
7	**Implementation in a highly secured Network Zone**		
7.1	The bidder should assist NABFINS or NABFINS team for implementation of the Aadhaar Data Vault Solution in a highly restricted network zone. The storage of Aadhaar number/ data along with the referencing system should be isolated from any untrusted zone and other internal network zones as mandated by UIDAI.		
8	**User Management Functionality**		
8.1	ADV platform offered by the bidder should be capable of providing a GUI for enabling creation of multiple API / Admin users. Authorized NABFINS Officials should be able to login to this web based platform and should be to create multiple Admin/ API users.		
8.2	This web based interface should also support Edit/ Delete/ Modify user/reset password functionality.		
9	**Non Repudiation of Stored Data**		

9.1	ADV platform provided by the bidder shall support Non repudiation of stored data in database or storage and should not permit any user to replace the encrypted Aadhaar number/ data associated with Reference number value with another encrypted Aadhaar number/ data.		
10	**APIs for interfacing with ADV platform**		
10.1	Only trusted communications must be permitted in and out of the vault. This should be ideally be done via API / Micro Service dedicated to get the mapping and controlling access to the API/ Micro-Service at application level. Any authorized users needing to access this mapping must access via applications allowing them to view/ access data with appropriate user authentication.		
10.2	ADV platform provided by the bidder shall support at least Java as well as .NET based API's or web services for Integration. The Aadhaar Data Vault Solution should be capable to interface with the NABFINS's applications and the Client API should be made available for accessing Aadhaar Data Vault as a part of the solution. The bidder should assist NABFINS for sub system integration with Aadhaar Data Vault with the Web Services/ APIs.		
11	**Guidelines**		
11.1	Platform should meet all Aadhaar Data Vault guidelines issued by UIDAI from time to time.		
12	**Security- The ADV Solution should support and adhere to:**		
12.1	Security framework for AUA/ ASA/ AKA's		
12.2	Security framework for authentication devices		
12.3	Support for Security audit by UIDAI security consultant or NABFINS appointed consultant		
13	**Following guidelines (issued by UIDAI) are required to be followed, but not limited to. Domains will be covered to achieve the above objectives**		
13.1	Aadhaar Act (2016),		
13.2	Aadhaar (Authentication) Regulations 2016,		
13.3	Aadhaar (Data Security) Regulations 2016,		
13.4	Aadhaar (Sharing of Information) Regulations, 2016		
13.5	UIDAI Information Security Policy		
13.6	UIDAI Circular No. K-11020/205/2017 (Auth I) dated 25.07.2017		
13.7	UIDAI Circular no.4 of 2018 dated:01.05.2018		
13.8	UIDAI circular no.5 of 2018 dated:16.05.2018		
13.9	UIDAI circular no.6 of 2018 dated 04.06.2018		
13.10	Any other circulars/guidelines issued by Government of India/Regulators/Statutory Authority		
	TECHNICAL REQUIREMENTS		
1	The Platform should support user management integration with Active Directory/LDAP for validate user credentials		
2	The solution should be capable of Supporting Encryption Algorithms such as 3DES, AES-256, SHA-256, SHA-384, SHA-512, RSA-2048, RSA-3072, RSA-4096 used for encrypting Aadhaar Number and Aadhaar related data.		
3	The Aadhaar Data Vault solution should support the key rotation.		
4	The Application should have the capabilities for updating / retrieving the Aadhaar Number or related data from Aadhaar Data Vault, during the Key Rotation of the HSM Keys. The Activity should not require any Downtime.		
5	Auditing and Logging: The Aadhaar Data Vault Solution should have the capability of detailed logging and audit tracking of all key state changes, administrator access and policy changes. The Audit trails should be securely stored and signed for non-repudiation. The logs should be integrated with the NABFINS's SIEM tool for monitoring and alerting.		
6	Aadhaar Data Vault solution should support User Access restrictions with various access rights		
7	The solution must be able to support storage of the root of trust master Key on a FIPS 140-2, minimum Level 2 certified HSM device.		
8	Aadhaar Data Vault solution should be scaled to higher TPS on the same HSM, solution should be field upgradable and should not involve additional procurement of hardware post solution is implemented.		

9	The Aadhaar Data Vault solution should be designed to achieve 100 TPS with a 5-year projection of 200 TPS.		
10	Aadhaar Data Vault solution should have the capability to support the Bulk Insertion of records with Unique Token for each Aadhaar Number.		
11	The software should be able to tokenize numeric / alpha numeric and special character other than Aadhaar numbers in its current version		
12	The Solution should be capable of managing at least 100 concurrent connections scalable with 10 % rise every year.		
13	The ADV platform provided by the bidder should support the Oracle or MS SQL or MySQL Database or other databases.		
14	The ADV platform should have the ability to integrate with NABFINS authentication.		
15	The ADV platform provided by the bidder must implement strong access controls and authentication measures. It should have ability to provision granular access control and shall support monitoring and logging of access.		
16	The admin and user roles should be segregated.		
17	User access should be locked in case of 5 unsuccessful login attempts. Audit log of all the activities carried out in Aadhaar data vault should be maintained as per the policies mandated by UIDAI.		
18	The ADV platform provided by the bidder shall support highly secured communication between the internal business applications of NABFINS and ADV platform.		
19	The Security between Client Application consuming API/ web service and Aadhaar Data vault shall be permitted only after successful validation of the below mentioned parameters : IP Validation User ID and Password		
20	The offered Aadhaar Data Vault solution should support IPV 6		
21	Must support multiple threads and batch (or vector) mode where API is not supported		
22	The solution should be able to support file level encryption in transparent manner. No downtime is expected while data is transformed into encrypted data		
23	The solution can integrate with NABFINS's application that are using Aadhaar		
24	The system should have provision for archiving and storing old data		
25	Automated periodic replication of data from production to DR for near Zero data loss		
	HSM Requirements		
1	All encryption keys should only be stored in HSM infrastructure		
2	The solution should be capable of Supporting Encryption Algorithms such as 3DES, AES-256, SHA-256, SHA-384, SHA-512, RSA-2048, RSA-3072, RSA-4096 used for encrypting Aadhaar Number and Aadhaar related data.		
3	The management of encryption keys across the entire lifecycle including secure key generation, storage and backup, key distribution, key deactivation, deletion and key rotation.		
4	The Application should have the capabilities for updating / retrieving the Aadhaar Number or related data from Aadhaar Data Vault, during the Key Rotation of the HSM Keys. The Activity should not require any Downtime.		
5	Support Certificates including X509, PKCS1, PKCS8, PKCS12		
6	Support the multiple credentials feature allows you to require authorization from multiple administrators before certain administrative functions are performed		
7	The solution must be able to support storage of the root of trust master Key on a FIPS 140-2, minimum Level 2 certified HSM device.		
8	Aadhaar Data Vault solution should be scaled to higher TPS on the same HSM, solution should be field upgradable and should not involve additional procurement of hardware post solution is implemented.		
9	The proposed HSM should achieve 100 TPS with a 5-year projection of 200 TPS.		
10	Support LDAP and Active Directory Authentication for administrators		
11	Secure Web-based GUI, Secure Shell (SSH), and console in application administration		

12	The Solution should be capable of managing at least 100 concurrent connections scalable with 10 % rise every year.		
13	Support SNMP (v1, v2, and v3), NTP, URL health check, secured encrypted and integrity checked backups and upgrades, extensive statistics		
14	Centralized management includes detailed logging and audit tracking of all key state changes, administrator access and policy changes. Audit trails are securely stored and signed for nonrepudiation		
15	Should support key export of asymmetric keys in pkcs8 format, symmetric keys in HEX format containing the key bytes in clear and any secret data objects in HEX format		
16	Should support encryption of virtual image disk with Track the key access to all copies of your data		
17	Should allow Key Caching, Key rotation and key Versioning		
18	Auditing and Logging. Detailed logging and audit tracking of all key state changes, administrator access and policy changes. Audit trails are securely stored and signed for nonrepudiation and can be consumed by leading 3rd party SIEM tools		