Area/RFP Reference	#	Estimations Questionnaire	PIC Response	Refer to sample responses
Conversion and Migration	11	Please specify the size of the DB for the legacy system to be migrated	minimum as 30 GB system/application and 1TB storage?	As a base, TCS assumes that all data will be provided in TCS specified format
Volumetric	13	Please indicate total number of securities (with breakdown by asset class e.g. Equities, Fixed Income, etc.) currently in the Securities and Prices Master Data system.	There are probably around 10,000 instruments (including Offshore exposures).	
		Please indicate the peak and average transaction volumes for **each business area in scope (listed against 'Active Users' in row above)** in terms of • Transactions (e.g. Trade executions, orders, Fund/CIS subscriptions) • Payments • Sweep-In • Daily files • Daily messages	Transaction flows are spread throughout the month, as and when actioned but usually peaks around month/quarter end (portfolio rebalanced).	
		Please share percentage growth rate with respect to user and transaction volumes	Apply a 1% annual growth	
BR2.30 View embargoed stocks(Including embargo dates, reason and upliftment dates)	15	How the data expected to be recorded in system ? Will there be any data provider for such information, where STP is required with or will it be handled manually ?	Market data must be automatically loaded in to the solution from market data providers.Hence the need for the system to be able to intergrate with internal and external solutions. Service provider can provider further clarity on the data refered to in question	
BR2.44 Show the terms and conditions per instrument	16	Kindly provide a brief scope overview. How does the terms & conditions at instrument level effect the trade & processing of the same?	The Finance team manages the corporate actions within the various portfolios. These corporate actions are governed by the exchange.	
BR2.97 Derivatives (Options, Futures, Swaps, Collars, Collaterized Loans etc)	22	Collaterized loans - Are these Repo/Reverse repo transactions? Please provide more details	In the listed space, we believe we need to have the security type	
Can you please supply information on your current IT architecture - covering Applications and Infrastructure			PIC IT architecture details will be provided at a later stage to the winning bidder.	
Can you please supply details of your IT support both in-house and outsourced			The PIC has an internal IT-Support team- any further details to this will be provided to the winning bidder.	
Outsourcing of core investment administration is becoming prevalent across the industry - are the PIC considering this?			No	
Who handles your custody and when does the contract end?			Standard bank and BNY Mellon	
Does the 10 years incude the implementation or does the 10 years start from go-live?			It is inclusive of the implementation period.It is anticipated that the entire implementation project takes upto 2 years, the solution should be in production for the remaining 8 years.	
Please list all the PIC owned applications we would have to integrate with			The solution provided must have capability to intergrate with any solution within the PIC solution ecosystem.	
Please list any third party applications we would have to integrate with			The solution provided must have capability to intergrate with any solution within the PIC solution ecosystem.	
For the support period, the minumum service will include preventative maintenance and defect fixing, but would you like us to include any capacity for enhancements? If so, do you have a view on how much support you would like to budget for?			Yes - This will be determined as and when a need for enhancements is registered	
Section 4.1.7 refers to "PIC's solution upgrade process". Please provide further information on this.			The PIC expects to made aware of any upgrades and/or changes to the solution. All changes and/or upgrades must be communicated in time so as to avoid down times that could negatively affect business. All changes to the Production environment will need CAB approval - even on hosted solutions, hence the PIC change process will still need to be followed.	
Are you requiring the succesful bidder to operate the systems on behalf of PIC, as section 11 states a service level of 99.9% availability of the platform/solution, but Section 15 - Pricing - refers to hosting fees but the table does not contain a category for hosting and operations costs. Or will PIC manage the cloud operations?			The PIC is looking for a cloud hosted solution to which the bidder must be able to adhere to the SLA provided in the RFP.The service provider is also expected to provide maintenance and support of the solution. The bidder can indicate the hosting and operations costs depending on their offering.	
Would you be able to contract with both the implementation partner and software provider separately or are you looking to contract with one party only?			The PIC would like to enter into one contract, this applies both in cases of a joint venture and a standalone providers.	
Is it your intention to simply replace Hiport or are you looking for a broader transformation project covering front office, middle office and back office?			The intention is to replace HiPort and introduce a seamless listed investment management process.	
Would you consider or prefer a managed service offering?			No	
Functional				
ANNEXURE A : PRELIMINARY BUSINESS REQUIREMENTS				
Can you please explain what should be noted in Column F: Reference page on Proposal?			Please include the page in which you have comprehensively reposnded to the PIC's requirement	
BR1.4 Capability to integrate with performance management system for intraday P&L and daily performance attribution - Can you confirm that the PIC will be keeping StatPro for performance and attribution? There are other requirements contained within Annexure A which speak to performance and attribution so it is unclear if we should be including an alternative to StatPro for these. If you can please provide clarity?			Confirmed, the solution however provide capabilities to handle performance requirments	
BR1.5 Capability to integrate with current trading platform (e.g: Charles River) - Can you confirm that the PIC will be keeping Charles River as your Front office system?			Confirmed	
Our understanding is that the below requirements would typically be done in a Front office system e.g Charles River. Can you confirm you require a solution to provide these functionalities?			Confirmed, the solution should meet PIC requirements	
BR1.3 Support for construction and modelling of large and complex portfolios			Projected cash and other modelling for Dealers	
BR1.10 Manage orders efficiently through a centralized dashboard			Confirmed	
BR1.11 Support for a seamless and efficient trading workflow			Confirmed	
BR1.13 Automatic alerts every time there is a violation			Confirmed	
BR2.5 Handle mandate check, rules and limits for market and credit risk			Confirmed	
BR2.6 Capture mandate driven limits and risk parameters			Confirmed	
BR2.13 Build yield/price curves			Confirmed	
BR2.24 Cater for time series data			Confirmed	
BR2.41 Handle counterparty data(Shareholding between juristic entities, shareholding at individual level, Principals/Directors) linked to various investments			Confirmed	
BR2.47 Show investment exposures at various levels of the portfolio daily			Confirmed	
BR2.59 Provide capability to construct a money market yield curve using the Rand Overnight Deposit Rate and the JIBAR 1-month, 3-month, 6-month, 9-month and 12-month rates using various interpolations			Confirmed	
BR2.60 Provide capability to convert the yields for the different compounding periods (NACD, NACM, NACQ, etc.) to the log of the annual effective rate (NACA) in order to construct the yield curve			Confirmed	
BR2.61 Provide functionality to use straight line interpolation to determine the yield applicable to individual instruments based on term to maturity.			Confirmed	
BR2.62 Provide capability to calculate money market instruments yield			Confirmed	
BR2.64 Calculate the 1 Month, 3 Month, 6 Month, 9 Month and 12 Month rates			Confirmed	
BR2.65 Convert the log of the NACA rate to a period specific rate based on the category of the money market instrument and the interest frequency			Confirmed	
BR2.66 Value Conventional and Inflation Linked Bonds off a "Yield",			Confirmed	
BR2.73 Provide capability to calculate VAT on trade fees			Confirmed	
BR2.74 Calculate transaction fees including but not limited to brokerage and stamp duty			Confirmed	
BR1.14 Handle extensive data processing needed to support investment management processes – Please can you elaborate?			The solution must be handle/manage large quantities of data necessary to support the PIC's investment process	
BR1.15 Enablement of exposure metrics for the creation of customizable reports based on specific needs and preferences – Please can you elaborate on the exposure metrics required?				
BR2.3 Provide reporting building capabilities must cut across the entire PIC portfolio - Please can you elaborate on the types of reports you would be looking to create and data you would be looking to include?			These would include client reports at minimum	
BR2.9 Provide capability to capture internal credit ratings for unlisted/non-rated issuers and instruments - Where would you like this to be captured, can we assume in the Front Office solution?			Yes	
BR2.10 Capture periodic/time stamped internal qualitative and quantitative rating metrics(Financial and Non-Financial Covenants) for unlisted/non-rated issuers and instruments monitoring - Where would you like this to be captured, can we assume in the Front Office solution?			Yes	
BR2.34 Structure as per the PIC's portfolio hierarchy - Please can you elaborate?			The bidders solutions must have capability to structure portfolio'. This will amongst others, enable the PIC to to draw reports at different levels of the Portfolio Structure e.g: Client Level, Instrument Level, agrigated level etc.	
BR2.38 Provide reporting objects - Please can you elaborate?			The PIC expects the solution to include reporting objects in order to provide the organisation with capability to build custom report queries and to retrieve data for custom and standard reports.	
BR2.43 Handle multi asset class analytics covering a broad universe of investment instruments - Please can you elaborate on which analytics you require?			It is expected that the solution provide the PIC with capability to perform needed analytics covering a variety of investment instruments the organisation is invested in.	
BR2.108 Offer full integration with PIC solutions in order to manage market flows, static data flows, investment transaction flows and trade execution flows etc. – Can you provide us with a list of the other solutions in your ecosystem which you would be looking to integrate with please?			The PIC requires that the bidder provide capbility to intergrate with solutions in the PIC ecosystems. This will be shared with the winning bidder.	
Administrative				