

Pre-Qualification Requirements (PQR) of Bidders for Compressor Control System: CCS			
Note:	All documents shall be compiled clause wise and submitted with proper tagging in following order.		
SI No	Requirement	Bidder Confirmation	Documentation Requirement
1	Compressor Control System (CCS) consists of Centrifugal Compressor Control Applications like Antisurge, Performance Control, Loadsharing Control etc. CCS shall be used for compressor protection from Surge and achieve Performance Setpoints / Loadsharing objectives (as applicable in case of parallel compressor trains). Proposed CCS shall be suitable for the above requirement. Bidder shall submit Technical Catalog / brochure and Writeup of CCS indicating compliance to above listed requirement. CCS Writeup shall have detailed description of the methodology used by CCS bidder to achieve Compressor Control objectives like Antisurge, Performance Control, Loadsharing Control etc. Bidder shall also indicate the Website link for technical catalog / brochure, published on the CCS OEM vendor website. <u>Note: Bidder offer shall NOT be considered if technical Writeup of offered CCS is not submitted.</u>	Bidder to indicate CCS Writeup submitted: YES / NO	CCS Catalog / Brochure and Writeup. CCS OEM Website link for Catalog / Brochure Writeup / Datasheet & O&M Manuals.
2	The responsibility of complete CCS to be supplied as per BHEL specification including engineering, selection of components, Factory testing, Erection and Commissioning (Supervision) shall be with CCS OEM only. (CCS OEM shall be single point responsibility vendor (SPRV) for the complete CCS). CCS OEM shall submit confirmation for "SPRV" as per attached format. CCS shall comprise of the following items. 1) CCS Controllers for Antisurge, Performance, Loadsharing Control (As Applicable). 2) CCS Engineering for Antisurge, Performance, Loadsharing Control (As Applicable). 3) CCS Controller Panel (if applicable) 4) CCS FAT 5) CCS Erection and Commissioning (Supervision) <u>Note: Bidder offer shall NOT be considered if duly signed and stamped SPRV format is not submitted.</u>	Bidder to indicate Format-A_SPRV submitted: YES / NO	Bidder to submit Filled in Format-A_SPRV
3	Bidder shall be CCS Original Equipment Manufacturer or CCS OEM's authorized distributor / channel partner of CCS having offices in India. Bidder to provide the following information for the CCS.	----	----
a	Bidder is CCS OEM.	Bidder to indicate YES / NO	----
b	Bidder is CCS OEM's authorized distributor / channel partner in INDIA.	Bidder to indicate YES / NO	----
4	In case the Bidder is CCS OEM's authorized distributor / channel partner.	----	----
a	Authorized distributor / channel partner shall submit authorization certificate from their CCS OEM to quote for complete job. For authorized distributors / channel partner, the expiry date of validity of distributorship / partnership should be clearly indicated along with documentary evidences. <u>Note: Bidder offer shall NOT be considered if duly signed and stamped Authorisation Letter from CCS OEM is not submitted.</u>	Bidder to indicate Authorisation Letter Attached YES / NO	Bidder to submit Authorisation letter from CCS OEM.
b	Authorized distributors / channel partner shall have association with the CCS OEM for the past five years and should have supplied and commissioned with the CCS OEM make CCS. <u>Note: Bidder offer shall NOT be considered if duly signed and stamped Letter from CCS OEM is not submitted.</u>	Bidder to indicate letter from CCS OEM indicating the start date Attached YES / NO	Bidder to submit letter from CCS OEM indicating the start date of partnership
c	CCS OEM shall declare that in the event of discontinuation of their partnership, at any point of time during the warranty period, OEM will take the total responsibility for meeting all the commitments made earlier by the authorized distributor / channel partner. <u>Note: Bidder offer shall NOT be considered if duly signed and stamped Declaration Letter from CCS OEM is not submitted.</u>	Bidder to indicate Format-B_CCS OEM DECLARATION Attached YES / NO	Bidder to submit Filled in Format-B_CCS OEM DECLARATION

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5	Bidder shall have an established facility in India for engineering, documentation, after sale service for the offered make and model of CCS. Bidder to provide the office location / address along with organisation chart indicating the personnel involved in Proposal, Engineering, commissioning and servicing of the offered CCS. Note: Bidder offer shall NOT be considered if duly signed and stamped Organisation Chart along with India Office address is not submitted.	Bidder to indicate Organisation Chart Attached YES / NO	Bidder to submit Organisation Chart
6	Bidder to confirm that they will provide spares and services support for the offered CCS for at least ten years from the date of expiry of warranty. In case of authorized distributor / channel partner, "After Sales Service" and availability of spares to be guaranteed by CCS OEM for at least ten years. Bidder shall submit signed and stamped "Logistic Support certificate". Note: Bidder offer shall NOT be considered if duly signed and stamped Logistic Support certificate is not submitted.	Bidder to indicate Format-C1 & C2_Logistic Support Certificate Attached YES / NO	Bidder to submit Format-C1 & C2_Logistic Support Certificate
7	PTR for CCS	----	----
a	Bidder should have supplied & commissioned FIVE such CCS during last five years. At least TWO of the FIVE mentioned CCS should have been installed and used for Centrifugal Compressor train in a Petroleum Refinery (Hazardous Area) environment and each CCS shall have well proven performance record of operating satisfactorily for a minimum of ONE year or 8000 running Hours. At least ONE of the TWO mentioned CCS should have been installed and used for TWO stage Centrifugal Compressor along with Performance Controller. Bidder to submit attached PTR format, duly filled in with all the details. Reference list shall contain name of end user, latest contact email id and contact telephone number. Note-1: If BHEL is unable to verify the PTR furnished, with end user contact details provided above, the offer will be rejected. Note-2: PTR References of R&M projects are not acceptable. Note-3: In case Bidder is CCS OEM's Authorised Distributor / Channel partner, Bidder shall submit PTR for CCS system supplied by Bidder only. CCS OEM PTR (without BIDDER role is NOT acceptable). Note: Bidder offer shall NOT be considered if duly signed and stamped PTR is not submitted.	Bidder to indicate Format-D_PTR Attached YES / NO	Bidder to submit Filled in Format-D_PTR
b	Bidder to submit evidence of satisfactory performance of TWO CCS for a period of not less than ONE year or 8000 running Hours each, which have been supplied during the last five years for Centrifugal Compressor trains in a Petroleum Refinery environment. At least ONE of the TWO mentioned CCS should have been installed and used for TWO stage Centrifugal Compressor with Performance Controller. The following documents are required for acceptance of Satisfactory Performance. a) Unpriced purchase order copy of end user placed on bidder. b) Minutes of meeting with end-user for commissioning and handing over. c) Certificate issued by end user mentioning the date of installation, Make & model number of the CCS. This document shall be dated at least ONE year from the date of CCS commissioning. Note: Bidder offer shall NOT be considered if above listed THREE documents are not submitted.	Bidder to indicate all THREE listed documents are Attached YES / NO	All documents listed to be submitted.
8	All correspondence, Documentation, catalogs and Manuals shall be in English language only. Note: Bidder offer shall NOT be considered if above listed documents are not submitted in ENGLISH language.	Bidder to indicate YES / NO	----

9	Format-A_SPRV
	<u>SINGLE POINT RESPONSIBILITY VENDOR (SPRV) COMPLIANCE STATEMENT</u> (TO BE SIGNED BY CCS OEM'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/s.....<CCS OEM NAME>.....CONFIRM THAT THE PROPOSAL OF COMPRESSOR CONTROL SYSTEM QUOTED BY M/s.....<BIDDER NAME>..... AGAINST BHEL RFQ NO..... DT.....IS IN TOTAL COMPLIANCE TO THE SCOPE AS WELL AS THE TECHNICAL SPECIFICATIONS. I, ON BEHALF OF M/s.....<CCS OEM NAME>.....CONFIRM THAT M/s.....<CCS OEM NAME>..... SHALL BE SINGLE POINT RESPONSIBILITY VENDOR FOR THE COMPLETE CCS TO BE SUPPLIED AS PER BHEL SPECIFICATION INCLUDING ENGINEERING, SELECTION OF COMPONENTS, ERECTION AND COMMISSIONING (SUPERVISION), AFTER SALES SERVICES AND SPARE PARTS. (SIGNATURE WITH SEAL)

10	Format-B_CCS OEM DECLARATION
	<u>CCS OEM RESPONSIBILITY DECLARATION FOR AUTHORISED DISTRIBUTOR / CHANNEL PARTNER</u> (TO BE SIGNED BY CCS OEM'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/s.....<CCS OEM NAME>.....DECLARE THAT IN THE EVENT OF DISCONTINUATION OF OUR DISTRIBUTORSHIP / CHANNEL PARTNERSHIP WITH M/s.....<BIDDER NAME>.....,AT ANY POINT OF TIME FROM PROPOSAL STAGE TO END OF THE WARRANTY PERIOD, M/s.....<CCS OEM NAME>.....TAKES TOTAL RESPONSIBILITY FOR MEETING ALL THE COMMITMENTS MADE BY M/s.....<BIDDER NAME>..... AGAINST BHEL RFQ NO..... DT..... (SIGNATURE WITH SEAL)

11	Format-C1_LOGISTIC SUPPORT CERTIFICATE BY CCS OEM
	CERTIFICATE FOR LOGISTICS SUPPORT (BY CCS OEM) (TO BE SIGNED BY CCS OEM'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/S ..<CCS OEM>.. CONFIRM THAT THE COMPRESSOR CONTROL SYSTEM MODEL NO _____ FOR (ANTISURGE / PERFORMANCE / LOADSHARING CONTROL) QUOTED BY M/S ..<CCS OEM>.. FOR M/S <END USER> AGAINST M/S BHEL INQUIRY NO _____ SHALL CONTINUE TO BE SUPPORTED BY US. THE QUOTED ITEMS SHALL NOT BECOME OBSOLETE FOR A MINIMUM OF TEN (10) YEARS FROM THE DATE OF PLACEMENT OF ORDER. THE QUOTED ITEM SHALL NOT BE WITHDRAWN FROM INDIAN MARKET IN NEXT THREE (3) YEARS AS A MATTER OF OUR CORPORATE POLICY. I FURTHER CONFIRM THAT IN CASE OF PLACEMENT OF ORDER BY M/S BHEL ON US, WE SHALL CONTINUE TO SUPPORT IN PROVIDING BACK-UP ENGINEERING, MAINTENANCE SUPPORT AND SPARE PART SUPPORT TO M/S <END USER> FOR A PERIOD OF TEN (10) YEARS FROM THE DATE OF EXPIRY OF WARRANTY. (SIGNATURE WITH SEAL)
12	Format-C2_LOGISTIC SUPPORT CERTIFICATE BY BIDDER
	CERTIFICATE FOR LOGISTICS SUPPORT (BY BIDDER) (TO BE SIGNED BY BIDDER'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/s.....<BIDDER NAME>..... CONFIRM THAT THE COMPRESSOR CONTROL SYSTEM MODEL NO _____ FOR (ANTISURGE / PERFORMANCE / LOADSHARING CONTROL) QUOTED BY M/s..<BIDDER NAME>.. FOR CENTRIFUGAL COMPRESSOR TRAIN OF <PROJECT NAME (LATER)> SHALL CONTINUE TO BE SUPPORTED BY US AND OUR PRINCIPAL(S). THE QUOTED ITEMS SHALL NOT BECOME OBSOLETE FOR A MINIMUM OF TEN (10) YEARS FROM THE DATE OF PLACEMENT OF ORDER. THE QUOTED ITEM SHALL NOT BE WITHDRAWN FROM INDIAN MARKET IN NEXT THREE (3) YEARS AS A MATTER OF OUR CORPORATE POLICY AS SUPPORTED BY ATTACHED CERTIFICATE FROM OUR PRINCIPAL(S) M/S.....<CCS OEM NAME>..... I FURTHER CONFIRM THAT IN CASE OF PLACEMENT OF ORDER BY M/s BHEL ON US, WE SHALL CONTINUE TO SUPPORT BHEL / BHEL CLIENT IN PROVIDING BACK-UP ENGINEERING, MAINTENANCE SUPPORT AND SPARE PART SUPPORT FOR A PERIOD OF TEN (10) YEARS FROM THE DATE OF EXPIRY OF WARRANTY. (SIGNATURE WITH SEAL)

13	Format-D_PROVEN TRACK RECORD (PTR)					
1	Name of the Bidder					
2	Whether CCS OEM & supplier:					
3	Whether CCS Authorised System Integrator & Supplier:					
4	Name of Packager:					
Sl.No	PTR Requirement	Ref-1	Ref-2	Ref-3	Ref-4	Ref-5
1	Purchaser's name, address, Tel no, Fax no, email and contact person					
2	Description of the items offered:					
	Please add list of CCS items as follows: (Make / Model)					
	1) CCS Controllers for Antisurge, Performance, Loadsharing Control (As Applicable)	CCS for Antisurge Control of H2 Recycle Compressor	CCS for Antisurge Control (TWO stage) and Performance Control of Turbine / Motor Driven Compressor	CCS for Antisurge Control and Performance / Loadsharing Control TWO Compressor Trains		
	2) CCS Engineering for Antisurge, Performance, Loadsharing Control (As Applicable).					
	3) CCS Controller Panel (if applicable)					
	4) CCS FAT					
	5) CCS Erection and Commissioning (Supervision)					
3	Description of item as manufactured & Supplied/ engineered (identify Bidder's scope of work)					
4	Date of order placed					
5	Contractual completion date					
6	Actual completion date/ month & year of commissioning					
7	Reasons of delay if any					
8	Details of major break down till date.					