

Pre-Qualification Requirements (PQR) of Bidders for TMR Electronic Governor & Over Speed Protection System for Steam Turbines in OIL & GAS Plants

Note:	All documents shall be compiled clause wise and submitted with proper tagging in following order.		
SI No	Requirement	Bidder Confirmation	Documentation Requirement
1	TMR Electronic Governor & Over Speed Protection System shall be used for continuous monitoring and regulation of Critical machine parameters Turbine Speed, load, steam extraction etc. to maintain value and also Protection against Overspeeding to safeguard the Turbine. TMR Electronic Governor & Overspeed Protection (OSP) System shall comply the requirements specified as per API-670 & 612 and both systems shall be SIL 3 certified as per IEC 61508 / IEC 61511. Bidder shall submit Technical Catalog / brochure of TMR Electronic Governor & OSP system indicating compliance to API 670 & 612. Bidder shall also indicate the Website link for technical catalog / brochure, published on the TMR Electronic Governor & OSP OEM vendor website. OSP as bought out item by TMR Electronic Governor OEM / Bidder is acceptable. <u>Note: Bidder offer shall NOT be considered if offered TMR Electronic Governor & OSP System does not comply to API 670 & 612.</u>	Bidder to indicate TMR Electronic Governor & OSP is API 670 & 612 compliant YES / NO	TMR Electronic Governor & OSP Catalog / Brochure. TMR Electronic Governor & OSP OEM Website link for TMR Electronic Governor & OSP Catalog / Brochure / Datasheets & O&M Manuals.
2	The responsibility of complete TMR Electronic Governor & OSP system to be supplied as per BHEL specification including Engineering, Selection of components, and Commissioning (Supervision) shall be with TMR Electronic Governor OEM only. (TMR Electronic Governor OEM shall be single point responsibility vendor (SPRV) for the complete TMR Electronic Governor & OSP system). TMR Electronic Governor OEM shall submit confirmation for "SPRV" as per attached format. TMR Electronic Governor & OSP system shall comprise of the following items. 1) Speed Sensor (Magnetic Type). 2) TMR Electronic Governor Control (Assembled in Panel) 3) Independent Electronic Over Speed Protection System (Assembled in Panel). 4) HMI Panel mounted Touch Screen with licensed software 5) Console mounted HMI (Desktop PC) EWS , Printer and associated licensed software 6) Cables and Connectors, Licensed Version of Latest Antivirus for Panel HMI and Engg Workstation / Desktop HMI. <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 Attached YES / NO	Bidder to submit Filled in Format-A-SPRV
3	Bidder shall be TMR Electronic Governor OEM or TMR Electronic Governor OEM's authorized distributor / channel partner, having offices in India. Bidder to provide the following information for the TMR Electronic Governor & OSP system.	----	----
a	Bidder is TMR Electronic Governor OEM.	Bidder to indicate YES / NO	----
b	Bidder is TMR Electronic Governor OEM's authorized distributor / channel partner in INDIA.	Bidder to indicate YES / NO	----
4	In case the Bidder is TMR Electronic Governor OEM's authorized distributor / channel partner.	----	----
a	Authorized distributor / channel partner shall submit authorization certificate from their TMR Electronic Governor 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 TMR Electronic Governor OEM is not submitted.</u>	Bidder to indicate Authorisation Letter Attached YES / NO	Bidder to submit Authorisation letter from TMR Electronic Governor OEM.
b	Authorized distributors / channel partner shall have association with the TMR Electronic Governor OEM for the past five years and should have supplied and commissioned with the TMR Electronic Governor OEM make TMR Electronic Governor & OSP system. <u>Note: Bidder offer shall NOT be considered if duly signed and stamped Letter from TMR Electronic Governor OEM is not submitted.</u>	Bidder to indicate letter from TMR Electronic Governor OEM indicating the start date Attached YES / NO	Bidder to submit letter from TMR Electronic Governor OEM indicating the start date of partnership.
c	TMR Electronic Governor OEM shall declare that in the event of discontinuation of their partnership, at any point of time during the warranty period, TMR Electronic Governor 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 TMR Electronic Governor OEM is not submitted.</u>	Bidder to indicate Format-B_TMR Electronic Governor OEM DECLARATION Attached YES / NO	Bidder to submit Filled in Format-B_TMR Electronic Governor OEM DECLARATION

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(BIDDER SIGNATURE WITH SEAL)

(TMR Electronic Governor OEM SIGNATURE WITH SEAL)

(TO BE SIGNED BY BIDDER'S & TMR Electronic Governor OEM's PRINCIPAL CORPORATE LEVEL SIGNATORY)

5	Bidder shall have an established facility in India for engineering, documentation, after sale service for the offered make and model of TMR Electronic Governor & OSP. Bidder to provide the office location / address along with organisation chart indicating the personnel involved in Proposal, Engineering, commissioning and servicing of the offered TMR Electronic Governor & OSP system. <u>Note: Bidder offer shall NOT be considered if duly signed and stamped Organisation Chart along with India Office address is not submitted.</u>	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 TMR Electronic Governor & OSP system for at least ten years from the date of supply. In case of authorized distributor / channel partner, "After Sales Service" and availability of spares to be guaranteed by TMR Electronic Governor OEM for at least ten years. Bidder shall submit signed and stamped "Logistic Support certificate". <u>Note: Bidder offer shall NOT be considered if duly signed and stamped Logistic Support certificate is not submitted.</u>	Bidder to indicate Format-C1 & C2_Logistic Support Certificate Attached YES / NO	Bidder to submit Format-C1 & C2_Logistic Support Certificate
7	PTR for TMR Electronic Governor & OSP System	----	----
a	Bidder should have supplied & commissioned FIVE such TMR Electronic Governor & OSP systems during last five years. At least ONE of the above mentioned TMR Electronic Governor & OSP system should have been used in a Refinery (Hazardous Area, IEC Zone 2; Gas Gr II-A, B, C) environment. 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 TMR Electronic Governor OEM's Authorised Distributor / Channel partner, Bidder shall submit PTR for TMR Electronic Governor & OSP system supplied by Bidder only. TMR Electronic Governor OEM PTR (without BIDDER role is NOT acceptable). <u>Note: Bidder offer shall NOT be considered if duly signed and stamped PTR is not submitted.</u>	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 the offered TMR Electronic Governor & OSP system for a period of not less than ONE year, which has been supplied during the last five years, from at least one end user in a Refinery (Hazardous Area, IEC Zone 2; Gas Gr II-A, B, C) environment. 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 TMR Electronic Governor & OSP. This document shall be dated at least ONE year from the date of TMR Electronic Governor & OSP commissioning. <u>Note: Bidder offer shall NOT be considered if above listed THREE documents are not submitted.</u>	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. <u>Note: Bidder offer shall NOT be considered if above listed documents are not submitted in ENGLISH language.</u>	Bidder to indicate YES / NO	----

(BIDDER SIGNATURE WITH SEAL)

(TMR Electronic Governor OEM SIGNATURE WITH SEAL)

(TO BE SIGNED BY BIDDER'S & TMR Electronic Governor OEM's PRINCIPAL CORPORATE LEVEL SIGNATORY)

9	Format-A_SPRV
	<u>SINGLE POINT RESPONSIBILITY VENDOR (SPRV) COMPLIANCE STATEMENT</u> (TO BE SIGNED BY TMR ELECTRONIC GOVERNOR OEM'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/s.....<TMR ELECTRONIC GOVERNOR OEM NAME>.....CONFIRM THAT THE PROPOSAL OF <u>API 670 & 612 COMPLIANT TMR ELECTRONIC GOVERNOR & OSP SYSTEM</u> QUOTED BY M/s.....<BIDDER NAME>..... AGAINST BHEL RFQ NO..... DT.....IS IN TOTAL COMPLIANCE TO THE SCOPE AS WELL AS ALL THE TECHNICAL SPECIFICATIONS. I, ON BEHALF OF M/s.....<TMR ELECTRONIC GOVERNOR OEM NAME>.....CONFIRM THAT M/s.....<TMR ELECTRONIC GOVERNOR OEM NAME>..... SHALL BE SINGLE POINT RESPONSIBILITY VENDOR FOR THE COMPLETE TMR ELECTRONIC GOVERNOR & OSP SYSTEM 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_TMR ELECTRONIC GOVERNOR OEM DECLARATION
	<u>TMR ELECTRONIC GOVERNOR OEM RESPONSIBILITY DECLARATION FOR AUTHORISED DISTRIBUTOR / CHANNEL PARTNER</u> (TO BE SIGNED BY TMR ELECTRONIC GOVERNOR OEM'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/s.....<TMR ELECTRONIC GOVERNOR 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.....<TMR ELECTRONIC GOVERNOR OEM NAME>.....TAKES TOTAL RESPONSIBILITY FOR MEETING ALL THE COMMITMENTS MADE BY M/s.....<BIDDER NAME>..... FOR TMR ELECTRONIC GOVERNOR & OSP SYSTEM PROPOSED AGAINST BHEL RFQ NO..... DT..... (SIGNATURE WITH SEAL)

11-a	Format-C1a_LOGISTIC SUPPORT CERTIFICATE BY TMR ELECTRONIC GOVERNOR OEM
	<u>CERTIFICATE FOR LOGISTICS SUPPORT (BY TMR ELECTRONIC GOVERNOR OEM)</u> (TO BE SIGNED BY TMR ELECTRONIC GOVERNOR OEM'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/S.....<TMR ELECTRONIC GOVERNOR OEM NAME>.....CONFIRM THAT THE <u>API 670 & 612 COMPLIANT TMR ELECTRONIC GOVERNOR SYSTEM</u> QUOTED BY M/s.....<BIDDER NAME>..... FOR STEAM TURBINE OF <PROJECT NAME (LATER)> SHALL CONTINUE TO BE SUPPORTED BY US FOR A PERIOD OF MINIMUM TEN (10) YEARS. THE QUOTED ITEM (S) 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 M/S.....<BIDDER NAME>....., 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)
11-b	Format-C1b_LOGISTIC SUPPORT CERTIFICATE BY OSP OEM
	<u>CERTIFICATE FOR LOGISTICS SUPPORT (BY OSP OEM)</u> (TO BE SIGNED BY OSP OEM'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/S.....<OSP OEM NAME>.....CONFIRM THAT THE <u>API 670 & 612 COMPLIANT OSP SYSTEM</u> QUOTED BY M/s.....<BIDDER NAME>..... FOR STEAM TURBINE OF <PROJECT NAME (LATER)> SHALL CONTINUE TO BE SUPPORTED BY US FOR A PERIOD OF MINIMUM TEN (10) YEARS. THE QUOTED ITEM (S) 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 M/S.....<BIDDER NAME>....., 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)
12	Format-C2_LOGISTIC SUPPORT CERTIFICATE BY BIDDER
	<u>CERTIFICATE FOR LOGISTICS SUPPORT (BY BIDDER)</u> (TO BE SIGNED BY BIDDER'S PRINCIPAL CORPORATE LEVEL SIGNATORY ON COMPANY LETTERHEAD) I, ON BEHALF OF M/s.....<BIDDER NAME>..... CONFIRM THAT THE API 670 & 612 COMPLIANT TMR ELECTRONIC GOVERNOR & OSP SYSTEM QUOTED BY M/s.....<BIDDER NAME>..... FOR STEAM TURBINE OF <PROJECT NAME (LATER)> SHALL CONTINUE TO BE SUPPORTED BY US AND OUR PRINCIPAL(S). 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.....<TMR ELECTRONIC GOVERNOR & OSP 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 manufacturer & supplier:					
3	Whether 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 TMR Electronic Governor & OSP items as follows: (Make / Model)					
	1) Speed Sensor					
	2) TMR Electronic Governor (Assembled in Panel)					
	3) Independent Electronic Over Speed Protection System (Assembled in Panel)					
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.					