

INDRAPRASTHA GAS LIMITED

**IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022**

TENDER NO. IGL/ET2/CP/CP18553

Carrying out PCP Design, Supply, Installation and Commissioning work related to Permanent Cathodic Protection

Replies to Bidders' Queries - 1

Sr. No.	Document	Clause No.	Tender Description	Bidder's Query	IGL Clarification
1	Technical PART - II OF II	Annexure-I PCP MATERIAL DATASHEET 5. RECOMMENDED MAKE OF EQUIPMENT / COMPONENTS FOR C.P. SYSTEM	A. GSM BASED 50V/50A Transformer Rectifier Unit [TRU] AC Input DC Output/CPSS and SCADA <input type="checkbox"/> M/s Kristron Systems, Mumbai, India <input type="checkbox"/> RPG Raychem, India <input type="checkbox"/> M/s PML, U.K <input type="checkbox"/> M/s Hockway, U.K <input type="checkbox"/> M/s SIEMENS <input type="checkbox"/> M/s ABB	In the given vendor list of CPTR, only Kristron System, Mumbai is a regular CPTR manufacturer. RPG Raychem, India is no longer in operation in CPTR business and balance mentioned vendor are not active in Indian CP market. Hence, we request IGL to consider and accept other reputed vendors having similar experience in the manufacturing of CPTR units. In this regard, we kindly request that M/s AC Techno, Mumbai be added to the approved list of vendors.	Bidder to follow the approved vendor list.
2	Technical PART - II OF II	Annexure-I PCP MATERIAL DATASHEET 5. RECOMMENDED MAKE OF EQUIPMENT / COMPONENTS FOR C.P. SYSTEM	B. MMO Anodes <input type="checkbox"/> M/s Titanor Components, Goa <input type="checkbox"/> M/s Matcor Inc., USA <input type="checkbox"/> M/s Eltech, Netherlands <input type="checkbox"/> M/s Oranzio DeNora, USA <input type="checkbox"/> M/s Corpro Technologies, Singapore	None of these vendor are operational in India except Matcor, USA. Hence, We request IGL to consider and accept other reputed vendors having similar experience in the manufacturing of MMO Anodes. In this regard, we kindly request that M/s Ti Anode Fabricators Pvt Ltd, Chennai be added to the approved list of vendors.	Bidder to follow the approved vendor list.
3	Technical PART - II OF II	Annexure-I PCP MATERIAL DATASHEET 5. RECOMMENDED MAKE OF EQUIPMENT / COMPONENTS FOR C.P. SYSTEM	E. Junction Boxes [AJB, CJB, TLP] <input type="checkbox"/> M/s Ex Protecta, Mumbai <input type="checkbox"/> M/s FCG Limited, Mumbai <input type="checkbox"/> M/s Flexpro, Navsari <input type="checkbox"/> M/s Baliga Lighting Equipments, Chennai <input type="checkbox"/> M/s Corrosion Control Services, Mumbai <input type="checkbox"/> M/s Corr-Tech International, Ahmedabad	All of them except Corrtex and Corrosion Control Services, are flameproof JB manufacturer. Corrtex and Corrosion Control Services are not active for other CP contractor and does not respond timely. Hence, We request IGL to consider and accept other reputed vendors having similar experience in the manufacturing of TLP, AJB, CJB. In this regard, we kindly request that M/s CORRXPERTS Pvt Ltd, Vadodara be added to the approved list of vendors.	Bidder to follow the approved vendor list.
4	Technical PART - II OF II	Annexure-I PCP MATERIAL DATASHEET 5. RECOMMENDED MAKE OF EQUIPMENT / COMPONENTS FOR C.P. SYSTEM	F. Cables <input type="checkbox"/> M/s NETCO CABLES <input type="checkbox"/> M/s FORT GLOSTER CABLES <input type="checkbox"/> M/s CABLE CORPORATION OF INDIA LTD.	We request IGL to consider and accept other reputed vendors having similar experience in the manufacturing of Cables. In this regard, we kindly request that M/s Rashi Cables Private Limited, Bhiwadi and M/s Ultracab (India) Limited, Rajkot be added to the approved list of vendors.	Bidder to follow the approved vendor list.

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5	Technical PART - II OF II	Fabrication and Installation Drawing of AJB	Bill of Material Sr No 11 - Solid State Decoupled (SSD)	In the given fabrication drawing / Bill of Material, Solid State Decoupled (SSD) is mentioned. Please reconfirm whether the SSD needs to be supplied along with the AJB. If yes, kindly review and reconfirm the dimensions provided.	Kindly note in the fabrication drawing Solid State Decoupled (SSD) is mentioned "as Reqd", however the same is not a part of the tender SOR , thus is not required.
6	Technical PART - II OF II	2.1 TRANSFORMER RECTIFIER UNIT (TRU)	Transformer Rectifier Unit - 25V/25A , single phase, Air cooled, outdoor type ,IP-65 with Canopy, AVCC/ Auto mode and GPS based current interrupter and remote monitoring by means of a GSM based Data Logger RMU and remote control of TRU through central computer as per tender specifications. The scope includes installation of TRU including all civil works, structural works, electrical works, earthing, cable connections, sand paddings, brick works, repair works, painting works and all other allied works required for installation, testing and commissioning of TRU. Commissioning & Maintenance spares for warranty period of 12 months from the date of handing over of the PCP system, free from all defects and any AC / DC interference issue. All TRU's shall be of the same make and model .	<p>Please confirm whether the software for "remote control of TRU through central computer" is required city-wise or GA-wise. If yes, please specify the number required per city.</p> <p>Additionally, request you to provide a list indicating the respective location names (City / GA).</p> <p>If a city-wise or GA-wise software for "remote control of TRU through central computer" is not required, please confirm with location name where 01 (one) is to be supplied and installed against the 33 CP TR units.</p>	<p>The software for "remote control of TRU through central computer" is required GA-wise as specified in the tender i.e. 7 locations. The exact location of installation shall be confirmed after award of contract. Further one access shall be required on Central SCADA control room in Kakanagar Delhi.</p>
7	Technical PART - II OF II	TCP/Test station chainge list is requested		TCPs are already installed for these lines/projects; however, they are not part of the tender scope. The tender is limited to providing PCP comprising the TR Unit, polarization system, and commissioning.	TCP is already installed for the pipelines, the details shall be shared after award of contract.

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8	Commerical Section VI	SOR Items		Since the work is a design and engineering based scope. However, the quantities for items are already given. Do we take SOR quantities are only indicative and final payment will be based on actual site consumption? Please clarify?	Bidders understanding is correct
9	Commerical			You may note that Copper is one of the main raw materials in cables and T/R unit. Prices of copper have been rising continuously for the past few months. In the past 3 months copper prices have gone up by almost 25%. This trend is expected to continue in the future also. Since copper is one of the principal raw materials for cable and T/R unit, validity of bid prices for a period of 90 days will be in question. Prices quoted now, the cable and TR manufacturer may not be in a position to absorb drastic price increase in Copper, if any and therefore, there will be an issue regarding honouring the contractual obligations for this impact.	Bidder to quote taking into consideration any such fluctuations.
10	Technical PART - II OF II	Approved Vendor List - TR and Anode	A. GSM BASED 50V/50A Transformer Rectifier Unit [TRU] AC Input DC Output/CPSS and SCADA <input type="checkbox"/> M/s Kristron Systems, Mumbai, India <input type="checkbox"/> RPG Raychem, India <input type="checkbox"/> M/s PML, U.K <input type="checkbox"/> M/s Hockway, U.K <input type="checkbox"/> M/s SIEMENS <input type="checkbox"/> M/s ABB B. MMO Anodes <input type="checkbox"/> M/s Titanor Components, Goa <input type="checkbox"/> M/s Matcor Inc., USA <input type="checkbox"/> M/s Eltech, Netherlands <input type="checkbox"/> M/s Oranzio DeNora, USA <input type="checkbox"/> M/s Corpro Technologies, Singapore	TR Units and Anodes, we request you to kindly consider only suppliers who are active in the CP business. Appreciate provision for considering vendors other than given in bid vendor list, who are proven to be competent. We have informed that the bid vendors are almost enjoy monopoly as discussed.	Bidder to follow the approved vendor list.

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11	Technical PART - II OF II	Junction Boxes - Non Classified	E. Junction Boxes [AJB, CJB, TLP] <input type="checkbox"/> M/s Ex Protecta, Mumbai <input type="checkbox"/> M/s FCG Limited, Mumbai <input type="checkbox"/> M/s Flexpro, Navsari <input type="checkbox"/> M/s Baliga Lighting Equipments, Chennai <input type="checkbox"/> M/s Corrosion Control Services, Mumbai <input type="checkbox"/> M/s Corr-Tech International, Ahmedabad	Kindly consider Junction Boxes to be supplied from other than approved vendor list, which brought to your notice that most of them are Flame proof Boxes vendors, and contractors who buy and supply and not manufacturers.	Bidder to follow the approved vendor list.
12	Commercial Part-I of II SECTION 7 Clause 7.1	Qualification criteria	Technical BEC: Bidder should have successfully completed works related to Design & detailed engineering, supply, installation, testing and commissioning of Permanent Cathodic Protection (PCP) systems for underground hydrocarbon pipelines for a minimum value of Rs. 99.58 lakhs under a single work order/contract for any CGD/hydrocarbon company, during the last seven years from date of floating of tender. Note: PCP works executed by pipeline laying contractor as a part of Scope of Work for pipeline laying works will not be considered for evaluation. Only independent work orders related to PCP works shall be considered for evaluation.	Kindly consider Plant Piping CP System Turnkey JOB completed at a hydrocarbon plant CP System towards the criteria.	Tender Condition shall prevail.
13	Volume IB of II SOR Part A Volume IB of II SOR Part B		Sr.No.3 CIPL Survey	In This Sr.NO.3 CIPL Survey Unit of measurement should be in Mtr. Instead of Km. As the unit rate mentioned in SOR is for the per mtr rate	Survey not a part of this tender scope
14	Technical PART - II OF II	Vendor List		Add new vendor in your approved vendor list for Sacrificial Anode	Bidder to follow the approved vendor list.

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15	Commerical			<p>We kindly request M/s. IGL to consider incorporating a Price Escalation / De-Escalation Clause in the tender, linked to LME indices, with the following intent:</p> <ul style="list-style-type: none"> •Price escalation to be applicable if the LME price of the respective metal increases beyond a defined base index and threshold. •Price de-escalation / discount to be passed on to M/s. IGL on the same LME-linked basis in case of any reduction in raw material prices. 	Bidder to quote taking into consideration any such fluctuations.
16	Commerical			<p>Price Adjustment for Copper Cables: Copper prices have been witnessing significant volatility and a sharp upward trend in recent months. As a result, cable manufacturers and suppliers are unable to offer fixed copper cable prices for long durations, with quoted prices typically having a validity of only 2 to 5 days.</p> <p>In view of the above, we request incorporation of a price adjustment mechanism for copper cables, linked to the prevailing LME copper price, with adjustment applicable when price variation exceeds $\pm 5\%$ of the LME copper price as on the bid submission date. This will ensure fair risk sharing and realistic pricing over the project execution period.</p> <p>We believe the above requests will help all bidders participate on equitable terms and ensure smooth project execution without quality or supply risks.</p>	Bidder to quote taking into consideration any such fluctuations.
17	Commercial Part-I of II SECTION 7 Clause 7.1	Qualification creteria	<p>Technical BEC:</p> <p>Bidder should have successfully completed works related to Design & detailed engineering, supply, installation, testing and commissioning of Permanent Cathodic Protection (PCP) systems for underground hydrocarbon pipelines for a minimum value of Rs. 99.58 lakhs under a single work order/contract for any CGD/hydrocarbon company, during the last seven years from date of floating of tender.</p> <p>Note: PCP works executed by pipeline laying contractor as a part of Scope of Work for pipeline laying works will not be considered for evaluation. Only independent work orders related to PCP works shall be considered for evaluation.</p>	<p>We have successfully executed multiple PCP-related works for reputed Oil & Gas and CGD organizations including HPCL, IOAGPL, HPL, and others. Although the individual work order values are of lesser amounts, the technical scope, complexity, and execution responsibility of these PCP works are fully comparable to large-value single contracts and are in strict compliance with OISD guidelines and NACE recommended practices.</p> <p>Since the stipulated single work order value is not met individually, we respectfully request that similar PCP works executed through multiple work orders of lesser individual value may kindly be considered on a cumulative basis for evaluation of technical eligibility, enabling participation of technically competent CP-specialized vendors.</p>	Tender Condition shall prevail.