



Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	



## HINDUSTAN PETROLEUM CORPORATION LIMITED

(A Government of India Enterprise)

Central Procurement Organisation Mktg.

9 Floor, A wing, Marathon Futurex Building, N. M. Joshi Marg, Mumbai 400 013

### TENDER for TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT

e-Tender No. 5100011605      Dated 02.04.2024

Due On: 25.04.2024      at 15:00 Hrs

Contact us- IN VIEW OF PANDEMIC, HELPDESK IS NOW AVAILABLE WITH LIMITED RESOURCES FROM 1000 HRS TO 18 00 HRS ON MOB NO 8080429356 or 7666971998 or 9082727597 or 8291666749 or 9004219971. ALTERNATELY VENDOR MAY SEND MAIL ON [eprochelpdesk@mail.hpcl.co.in](mailto:eprochelpdesk@mail.hpcl.co.in)







Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

Table of Contents:

Sr. No	Description	Page
	Techno-Commercial Bid	
	Notice Inviting Tender	
1	Abbreviations in Tender	
2	Pre Bid Meeting & Scope of Work	
3	Pre-Qualification Criteria	
4	Technical Specifications, STC and SOQ (attached)	
5	<b>Priced Bid</b> – to be filled online in E procurement site of HPCL	
6	General Terms & Conditions (attached)	
	Annexures for uploading by Bidder	
Annexure -1	Integrity Pact	
Annexure -2	Declaration regarding Blacklisting	
Annexure -3	Declaration on SC or ST MSE bidders	
Annexure -4	Particulars of Bank E Mandate	
Annexure -5	Undertaking regarding correctness of Information	
Annexure -6	Confirmation of Terms and Conditions	
Annexure -7	Bidder and Organization Details	
Annexure -8	Declaration regarding PAN Number	
Annexure -9	Declaration of relationship with HPCL Directors	
Annexure – 10	Details of HSN code and GST Rate	
Annexure – 11	Declaration on GST	
Annexure – 12	UDYAM Certificate of MSE bidders (if Applicable)	
Annexure –14	Land Border sharing declaration	
Annexure –15	PQC details - Financial	
Annexure –16	Financial result 2020-21	
Annexure –17	Financial result-2021-22	
Annexure –18	Financial result-2022-23	
Annexure –19	PQC details- Technical Criteria	



Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

Annexure-20	Undertaking by the bidder-FOR ACCPTEANCE OF L1 RATE	
	<b>Annexures for Information</b>	
Annexure -20	Tips on Successful Submission of Bids	
Annexure -21	Format for Bank Guarantee in lieu of EMD	
Annexure -22	Format for Performance Bank Guarantee	
Annexure -23	MII policy	
Annexure -24	Technical Specifications, STC and SOQ	
Annexure -25	Conciliation clause	
Annexure -26	New Arbitration clause	
Annexure - 20	GTC works	
Annexure - 21	RA Manual	
Annexure - 22	Online EMD instructions	

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

Abbreviations used in this Tender

No.	Abbreviation	Meaning
1	PO	Purchase Order
2	CAMC	Comprehensive Annual Maintenance Contract
3	PQC	Pre-qualification Criteria
4	PAN	Permanent Account Number
5	EMD	Earnest Money Deposit
6	BG	Bank Guarantee
7	CPBG	Composite Performance Bank Guarantee
8	QAP	Quality Assurance Plan
9	SD	Security Deposit
10	MSE	Micro & Small Enterprises
11	DD	Demand Draft
12	GTC	General Terms and Conditions
13	SBI	State Bank Of India
14	PLR	Prime Lending Rate
15	GST	Goods & Services Tax
16	HSE	HEALTH, SAFETY AND ENVIRONMENT
17	MSV	Mounded Storage Vessels
18	SOQ	Schedule Of Quantities
19	SBI	State Bank Of India
20	PLR	Prime Lending Rate
21	GST	Goods & Services Tax
22	TPIA	Third Party Inspection Agency
23	BOQ	Bill of Quantity
24	KOM	Kick off Meeting

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

## NIT (NOTICE INVITING TENDER)

### 1. INTRODUCTION

This tender is for Design, Detailed Engineering, Supply, Fabrication, Erection, Testing and completion of 2 x 700 MT Capacity Mounded Storage Vessels with at Madurai LPG plant

Vendor is advised to submit their bids taking full notice of all the pre-qualification criteria, technical specifications, terms and conditions.

Hindustan Petroleum Corporation Ltd.,  
MADURAI LPG PLANT,  
PLOT NO: 171-172  
SIDCO INDUSTRIAL ESTATE  
KAPPALUR, MADURAI,  
PIN CODE:625008,  
TAMIL NADU, India.

### CONTACT PERSON AT PROJECT SITE



Mr. Jayaseelan V,  
Senior Project Engineer - LPG Projects (+91 9717130274), [jayaseelanv@hpcl.in](mailto:jayaseelanv@hpcl.in)

### CONTACT PERSONS AT HQO FOR TECHNICAL CLARIFICATIONS:

Mr. REDDY DHANUMJAYA,  
Deputy General Manager - LPG Projects, [rdr@hpcl.in](mailto:rdr@hpcl.in)

Mr. Sarang Nagwanshi,  
Asst. Manager - LPG Projects (022-22010186), [sarang.nagwanshi@hpcl.in](mailto:sarang.nagwanshi@hpcl.in)

### 2. Pre Bid Meeting & Scope of Work:

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

This tender is for Design, Detailed Engineering, Supply, Fabrication, Erection, Testing and completion of 2 x 700 MT Capacity Mounded Storage Vessels for storage of LPG at Madurai.

**Scope of Work in General:** The scope of work of this tender, in general, includes the following:

**I. Detailed Engineering, Design and drawings**

- a) Preparation of all required drawings in accordance with SMPV(U) Rules,1981 & OISD 150 STD,
- b) Obtaining preliminary approval from HPCL and TPIA prior to submitting to CCOE/PESO for approval of design and drawings for execution all complete.
- c) Detailed Engineering & design for the Facility consisting of 2 x 700 MT Mounded Storage Pressure Vessels shall be carried out by the Bidder in accordance with PD-5500 & facility shall be laid out in accordance to SMPV Rule (U) 2016 and OISD std. 150.

i) Civil Design:

The Civil design of the Mound has to be reviewed & approved by TPIA for MSV work appointed by HPCL. The Civil Engineering designer should have previously done similar work for at least 2 MSV Facilities. Civil design to provide nos. & size of weep holes, expansion joints, estimate duration of construction water seepage from weep holes along with civil design.



ii) Vessel Design:

Design of vessels have to be carried out by the contractor and the same will be approved by TPIA for MSV work appointed by HPCL.

- d) Contractor shall obtain approval from PESO/CCOE and submit the same to HPCL while seeking their approval to commence the work.

**II. FEM Analysis:**

- a) Carrying out FEM Analysis of vessels to assess the stresses in the vessel & stiffener for various loading conditions & report shall be submitted to TPIA / HPCL for approval. Stress analysis to be carried out for bottom pipe up to ROV. Details of pipeline after ROV will be provided by HPCL
- b) The approved structural designers for carrying out FEM Analysis and Design of Safety Valve sizing as per SMPV(U) Rules and OISD-150 STD are:
  - a) M/s. Systech Consultancy Services, Mumbai,
  - b) M/s. Integrated Industrial Services, Mumbai;
  - c) M/s. Omiti Engineering, Pune &

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

d) M/s. ProSim R&D Centre, Bangalore.

- c) Designing of the vessels, foundation etc. shall be designed for suitable seismic Zone as per IS 1893 considering Importance Factor as 2.
- d) FEA to be carried out for Overall maximum settlement of 100 mm and differential settlement 25 mm of the vessel.
- e) FEA to be carried out with external load that includes load of sand and paver blocks.
- f) Design & Preparation of Drawings shall be carried out for all Civil works including Ground improvement, Civil foundations, retaining walls, Inspection tunnels, drains and all other structural concrete & steel sections required for the Mounded Storage Facility as entailed by the approved drawings.
- g) Obtaining the approval for all the Civil Engineering Drawings from PESO/CCOE after getting the approval from HPCL/TPIA.
- h) The Comments etc. of HPCL / TPIA /PESO shall be incorporated in the drawings at no extra cost.
- i) Civil design to be prepared as per Soil Investigation Report / Foundation study provided by HPCL to successful bidder.
- j) Design & Preparation of Drawings shall be carried out for all Mechanical works including Vessel design & fabrication drawings encompassing Cutting Schedule, Weld & Joint design, Nozzles & Appurtenances and Dome/Cylindrical Extensions, all complete.



### III. Quality Assurance (QA) Plan:

Preparation, Submission and obtaining HPCL/TPIA approval for the Quality Assurance (QA) Plan for the entire job. Comments of HPCL / TPIA shall be incorporated and executed at NO EXTRA COST. Stage Wise Inspection shall be carried out by HPCL / TPIA. Decision of HPCL / TPIA shall be binding on the Contractor.

### IV. Procurement & Supply:

Bidders to note that HPCL would be supplying Aprx. 574 MT of BQ plates. As per Preliminary Design done by HPCL, the details are as follows:

Sr. No	Size (Thk x W x L)	Qty
1	28 x 2500 x 11100	85

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

2	16 x 2500 x 8000	22
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Diameter: 7000 mm

Shell Thickness: 28 mm

Dish End: 16 mm

Corrosion Allowance: 1.5 mm

Thinning Allowance for Dish end: 1 mm

Bidders scope shall include Procurement & Supply of all materials Various Nozzles including cylindrical extensions with domes; Various fittings & Flanges, Safety valves, Level gauges, required instrumentation, high level alarm etc., as required to be mounted on the Vessel in line with the terms of this Bid document & approved drawings and OISD-150.

#### V. Instruments / Fittings:

Procurement & Supply, Testing & commissioning of all required instruments/fittings should be as per specs given in the tender and shall have the approval of CCOE/PESO Nagpur as well as be inspected & cleared by HPCL/TPIA.

#### VI. Mounded Storage Pressure Vessels:

Fabrication, Welding & Erection, Testing and completion of Mounded Storage Pressure Vessels as per approved drawings, with stage-wise inspection & approval by HPCL / TPIA, appointed by HPCL. Contractor shall carryout fabrication of shell plates, stiffeners and dish ends.

The construction shall be in accordance with PD 5500 latest edition and OISD Standard 150.



Though EEMUA code is not a statutory code, certain provisions as listed in EEMUA (latest edition) have to be incorporated. These have been listed in the detailed specs.

Scope shall include stress relieving, NDT etc. of entire storage Pressure Vessel with stage wise Inspection as per approved QAP and shall include 100% Radiography before and after Stress Relieving, 100% Stress Relieving, Wet Fluorescent Magnetic Particle Inspection / Testing (WMPI) after Stress Relieving, Hardness Testing for Heat Affected Zones (HAZ), Hydro-testing of the Vessel and any other testing requirements as per Code/CCOE/HPCL/TPIA at appropriate stages as per BS code. **WMPI shall be carried out for both Internal & external surface of the shell weld joints.**

VII. Execution of all required Civil & Structural Works as entailed by the approved drawings.

VIII. Supply & Application of a suitable coating after surface preparation to the exterior of the Vessels.



Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <u>11</u> of <u>11</u>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

- IX. Design, Supply & Providing, Testing & Commissioning a suitably designed Cathodic Protection System for the Mounded Storage Vessels including anode beds, transformer rectifier units, UPS, cables etc. all complete.

CP System needs to be carried out by an approved vendor of HPCL. Our approved vendors are:

- (i) BSS Technologies,
- (ii) Consultech
- (iii) SARK

- X. Procurement & Supply & Installation, Testing & Commissioning of all Valves.

- XI. Obtaining Certificate of Control issued by a CCOE Approved Agency.



### 3. PRE QUALIFICATION CRITERIA:

Bidders with sound technical and financial capabilities fulfilling the qualifying requirements stated herein may participate in this tender.

- 1) The following are the **Financial and Technical Pre-Qualification Criteria**:

**a) Financial:**

- i. The Average Annual Financial Turnover during the last three (3) years ending on 31.03.2023 shall be minimum of **Rs. 776 Lakhs**. While computing the annual turnover, other income shall not be considered.
- ii. Average turnover for the period of last 3 years shall be determined by summing up the annual turnover of each financial year and dividing the sum by three. In the event a bidder does not have turnover in any one or two of the years within the last 3 years, the turnover for that/ those years shall be taken as Nil and the average turnover will be calculated by considering the denominator as 3 years to determine the conformity to the turnover criteria.
- iii. In case where the audited result for the last financial year, i.e.31st March-2023 as on date of submission of the tender is not available, the audited results of three consecutive financial years preceding the last financial year shall be considered for

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

evaluation of the financial parameters subject to submission of a Certificate signed by CEO/CFO/Partner/Proprietor of the Bidder stating that the financial results of the last financial year of the Company/Firm are under audit as on the due date of submission of the bid.

iv. The working capital requirement for this Work is estimated to be **Rs. 400 Lakhs**

v. The working capital requirement can be fulfilled by

Working Capital as per Financial Statement

AND

Either

A. Tie-up for the tender with Scheduled banks (other than Cooperative banks) and public sector Financial institutions for works contract.



Or

B. Confirmation from Scheduled banks (other than Cooperative banks) regarding availability of line of credit for the specified tender.

**Working capital as per Financial statement as of 31.03.2023 shall be Current Assets minus Current Liabilities.**

**b) Technical:**

- i. Bidder should be a PESO (CCOE) India approved fabricator of Pressure vessels under SMPV (U) rules 2016 or any subsequent revision. Copy of valid PESO Approval should be enclosed along with the technical bid.
- ii. Bidders shall have executed at least one Mounded Storage Vessel Facility in India comprising at least one Vessel of minimum capacity 400 m<sup>3</sup> in last 7 years ending as of last day of month previous to the one in which applications are invited and shall have experience of having successfully carried out and completed similar work\* during the last

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

7 years ending last day of the month previous to the one in which applications are invited ,which experience should be any of the following:

a) Three similar completed works, each costing not less than **Rs. 1034 Lakhs**

OR

b) Two similar completed works, each costing not less than **Rs. 1292 Lakhs**

OR



c) One similar completed works costing not less than **Rs. 2067 Lakhs**

“Similar work mentioned in clause 1.b.ii. shall mean


*“Construction of Mounded Storage vessels or Pressure Vessels with RCC foundation in India, by PESO approved Pressure Vessels Fabricator, provided that Vessel(s) is(are) designed for handling hydrocarbons as per BS/PD-5500 standard / ASME Sec.8/ IS 2825/ Equivalent National Standard for a design pressure not less than 14 kg/cm<sup>2</sup> & scope of the work shall include Civil works; Design, fabrication, erection, testing and completion of the vessels, with/without supply of steel plates and with/without piping & with/without Cathodic protection works.*

**Note:**

- A. Bidder shall furnish documentary evidence i.e. copies of work orders/ relevant pages of contract, completion certificate, annual reports containing audited balance sheets and profit & loss accounts statement, in the first instance itself, in support of their fulfilling the qualification criteria. HPCL reserve the right to complete the evaluation based on the details furnished without seeking any additional information.
- B. Bidders are required to meet both the above criteria viz., Financial 1(a) & Technical 1(b). Bids not meeting any of the above criteria shall be rejected.

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	<u>Page 11 of 11</u>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

- C. Only completed Work/Purchase orders will be considered.
- D. Submission of the Purchase Order / Work Order is mandatory and it should clearly mention the details of work executed/supplies made by the vendor so as to enable us to identify whether the vendor meets the technical criteria stipulated above or not.
- E. The Completion Certificate and COC for completed works should be certified by the owner/client (for whom the work order has been executed) in support of meeting the technical criteria as stipulated above. If consultants are issuing certificates, then bidders shall provide documentary evidence of appointment of consultant by the Owner/client failing to which the offer shall be rejected. This clause shall be read in conjunction with Clause “G” below.
- F. Successfully carried out & Completed Work referred in this PQC would be scrutinized as follows:
- a. Only successfully completed works shall be considered.
  - b. Value of similar work executed during the last 7 years ending last day of month previous to the one in which applications are invited would only be considered.
- G. Works of Maintenance and Works carried out under Sub-Contract without consent from Owner, will not be considered as Similar Completed Work.
- H. For the purpose of PQC, the following shall be accepted:
- Similar Works carried out at a single location through multiple Purchase Orders but through a single bidding process/Tender.
  - Similar Works carried out at multiple locations through a single purchase order.
  - Similar Works carried out at multiple locations through multiple purchase orders but through a single bidding process/Tender.
- 2). Criteria for prior experience and prior turnover (PQC) shall be relaxed by 15% for Micro and Small Enterprises subject to meeting the prescribed quality and technical specification of the

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

tendered items/ services. MSE certificate issued by authority mentioned in Public procurement policy of MSEs – 2012 to be submitted to by Micro and Small Enterprises.

3) Parties who are affiliates of one another can decide which Affiliate will make a bid. Only one

affiliate may submit a bid. Two or more affiliates are not permitted to make separate bids directly or indirectly. If 2 or more affiliates submit a bid, then any one or all of them are liable for disqualification.

“Affiliate” of a Party shall mean any company or legal entity which:


- i) Controls either directly or indirectly a Party, or
- ii) Which is controlled directly or indirectly by a Party; or
- iii) Is directly or indirectly controlled by a company, legal entity or partnership which directly or indirectly controls a Party. “Control” means actual control or ownership of at least a 50% voting or other controlling interest that gives the power to direct, or cause of direction of the management and material business decisions of the controlled entity.

4) Bids may be submitted by:

- i) A single person/ entity (called sole bidder);
- ii) A newly formed incorporated joint venture (JV) which has not completed 3 financial years from the date of commencement of business.
- iii) Subsidiaries / Affiliates of Indian / foreign companies.

5) Fulfillment of Eligibility criteria and certain additional conditions in respect of each of the above types of bidders are stated below, respectively:

- i) The bidders (including an incorporated JV which has completed 3 financial years after date of commencement of business) shall fulfil each eligibility criteria on individual / combined basis.



Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <u>11</u> of <u>11</u>
	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

- ii) In case the bidder is a newly formed and incorporated joint venture and which has not completed three financial years from the date of commencement of business, then either the said JV shall fulfil each eligibility criteria or any one constituent member/ promoter of such a JV shall fulfil each eligibility criteria. If the bid is received with the proposal that one constituent member/ promoter fulfils each eligibility criteria, then this member/promoter shall be clearly identified and he/it shall assume all obligations under the contract and provide such comfort letter/guarantees as may be required by Owner. The guarantees shall cover inter alia the commitment of the member/ promoter to complete the entire work in all respects and in a timely fashion, being bound by all the obligations under the contract, an undertaking to provide all necessary technical and financial support to the JV to ensure completion of the contract when awarded, an undertaking not to withdraw from the JV till completion of the work, etc.
- iii) Subsidiaries / Affiliates of Indian or foreign companies which are registered in India and having manufacturing facilities or establishment towards providing services in India are allowed to participate in this tender, subject to meeting the local content provisions as per the **MII** clause enclosed with this tender. Such entities can participate either on the basis of their credentials (Technical & Financial) or on the basis of the credentials (Technical or Financial) of their parent/ affiliate company, as per the Qualification Criteria requirements applicable for this tender. However, the Indian subsidiary/ affiliate must meet at least one of the Qualification Criteria, either Technical or Financial.

In case the parent/ affiliate company is from a country which shares a land border with India, then the subsidiary/ affiliate company will be eligible to bid in this tender only if the parent/ affiliate company is registered with the Competent Authority constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).

**B) Information/Documents required along with the Bid Document:**

- i) Title, style and postal address of the firm.
- ii) Communication particulars including telephone numbers, fax numbers and e- mail address.

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <u>11</u> of <u>11</u>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	



- iii) Following documents are required to be submitted as proof of meeting Bid Qualification Criteria (Financial) in the first instance itself. HPCL reserve the right to complete the evaluation based on the details furnished without seeking any additional information

Notarized copies of Audited Annual Reports/Balance sheet & Profit and Loss account for the last three financial years ending March'23/ June'22/ September'22/ December'22.

- iv) Following documents, duly notarized, are required to be submitted as proof of meeting bid qualification criteria (Technical) in the first instance itself. HPCL reserve the right to complete the evaluation based on the details furnished without seeking any additional information.
- a) Purchase Order or Work Order with relevant pages of contract
  - b) Certificate of Completion of Work order of relevant PO's (having cross reference to PO), clearly mentioning the scope of work and the final value along with name certified by owner/client for whom the purchase/work order had been executed.
- v) In case of composite works executed (other items/works outside the similar work requirement), to arrive at value of similar works mentioned in the tender, the required break up shall be given by the party with notarization. In absence of work breakup from bidder, HPCL shall arrive at the break up on their own and such calculation shall be final and binding on the bidder.
- vi) Bidder shall furnish documentary evidence (separately for each work order) in support of their fulfilling the qualifying requirements.
- vii) HPCL reserves the right to seek information/ original documents from bidders, in addition to details furnished in original bid, to complete the evaluation.

#### 4. EARNEST MONEY DEPOSIT (EMD):

The bidders shall submit along with the Techno Commercial Bid an Earnest Money Deposit as mentioned in below table for each Schedule, for participating in more schedules cumulative EMD amount will be applicable for participating in the tender for participating by crossed account payee Demand Draft / Non Revocable Bank Guarantee drawn on / from any

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

Nationalized/Scheduled bank (other than co-operative bank). Format for EMD BG is attached with this tender. EMD should be submitted along with the Techno Commercial Bid.



Location	EMD amt. in Rs.
Madurai	35,43,333 /-

EMD can be submitted as follows: -

- i. Up to Rs. 50,000/- by way of crossed account payee pay order/demand draft on Scheduled bank drawn on any Nationalized / Scheduled banks other than Co-operative banks.
  - ii. The Demand Draft/Pay Order should be drawn in favor of “HINDUSTAN PETROLEUM CORPORATION LIMITED” payable at Mumbai.
  - iii. Above Rs.50,000/-, by way of Pay Order/Demand Draft or Bank Guarantee of any Nationalized / Scheduled Banks other than Co-operative Banks
  - iv. The Bank Guarantee in lieu of EMD should have a validity of 180 days from the due date of this tender. If due date is extended, then that many number of days shall be added to the validity period.
  - iv. Cheques, Cash, Money Orders, Fixed deposit Receipts etc. towards EMD are not acceptable. Similarly, request for adjustment against any previously deposited EMD / Pending Dues / Bills / Security Deposits of other contracts etc. will not be accepted towards EMD.
  - vi. Instructions to submit online payment E-payment facility in E-tendering portal
- a) Bids not accompanied by EMD or required documents for exemption from EMD shall not be considered at all.
  - b) EMD to be submitted before the due date and time of opening of the Techno Commercial bid of the tender for verification.
  - c) EMD should be submitted in physical form in a separate sealed envelope boldly superscribed on the outer cover with i) Tender No. ii) Description iii) Due date and time iv) Name of the Tenderer.
  - d) The EMD should be dropped in a separate envelope in [Tender Box for CPO-Marketing](#) or sent by Registered Post/Courier so as to reach on or before the due date and time of this tender at the following address:

EMD box no 6



Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

Aswini Kumar Kochara / Pankaj Sharma  
 GM Category Management – CPO (M)  
 Tender No.: 5100011605  
 Hindustan Petroleum Corporation Limited.  
 9<sup>th</sup> Floor, Marathon Futurex Building – A Wing,  
 Mafatlal Mills Compound,  
 N.M.Joshi Marg,  
 Mumbai – 400 013

- e) HPCL will not be responsible for non–receipt of instrument(s) due to postal delay/loss in transit etc.
- f) In case the EMD (Original BG/ Original DD) is not received on or before the Tender Due Date and Time in Physical form, the bid shall be rejected.



A vendor who wishes to submit a bank guarantee (BG) towards EMD/Security Deposit (SD)/Composite Performance Bank Guarantee (CPBG)/Advances/ towards any other requirement of the tender, is required to ensure that

- a. The issuing bank is on SFMS platform
  - b. SFMS Message type used is 760 COV and SMFS Delivery report/Message Copy is sent along with original BG
  - c. SFMS Message from issuing Bank is sent to following:  Beneficiary's bank Name: ICICI Bank  ISFC Code: ICIC0000393.
  - d. Field no 7037 of SFMS Message is updated with HPCL CPO UIC as HPCL508902133CP
  - e. BG contains following details:
    - 1. Beneficiary's bank Name: ICICI Bank
    - 2. ISFC Code: ICIC0000393.
    - 3. HPCL's Customer ID: 508902133
  - f. The BG is forwarded with SFMS Delivery report

**Exemption from EMD:**

The following categories of tenderers are exempted from EMD:

- a. Central Public Sector Enterprises are exempted from payment of EMD. The proof that the tenderer is PSE must be uploaded failing which their offer is liable to be rejected.
- b. Vendors registered as Micro / Small Enterprises (MSEs) in Udyam Registration

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

- c. Start-ups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT) formerly known as Department of Industrial Policy & Promotion will be exempted from payment of EMD.
- d. As advised in GTC (attached in this tender).

For this purpose, in the event of the tendering company being a Public Sector Enterprise, a declaration to that effect and in the case of Vendors registered as MSEs, a copy of the latest Udyam Registration Certificate (printed in the financial year of the due date of tender) should be obtained.

MSE bidder shall upload valid MSE Certificate (as on due date of the Tender) online and there is no need to drop the MSE Certificate in the tender box. However if bidder is claiming MSE status and the bid is submitted without uploading the MSE Certificate online in the appropriate place, the bid shall be rejected.



A copy of application for MSE / NSIC Registration will not be acceptable. Such offers will be treated as offers received without EMD and will be rejected.

#### Forfeiture of EMD:

The EMD is liable to be forfeited or parties who have opted for exemption from submitting the EMD, shall be barred for a period of at least one year from due date of this tender from taking part in any tender floated by HPCL in future, in the event of:

- a. Withdrawal/modification of offer during the validity period of 120 days from the due date/extended due date if any, of the tender.
- b. Any unilateral revision in the offer made by the tenderer during the validity of the offer.
- c. Non acceptance of Orders.

EMD will be refunded to all the unsuccessful tenderers after completion of commercial evaluation of the Tender. For successful tenderers, refund will be made only on payment of CPBG against PO. EMD shall not bear any interest and shall be refunded by e-payment in case same has been paid through Demand Draft/Payment Order. While claiming refund, the original Cash Receipt issued by HPCL must be surrendered.

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

## 5. EVALUATION OF BIDS:

- i. Only those offers which qualify in techno- commercial evaluation will be taken up for overall evaluation of Price Bids.
- ii. Evaluation will be carried out on overall lowest delivered rate.
- iii. **RA is not applicable in the tender.**

## 6. DISTRIBUTION OF ORDER



The Order quantity be awarded to L1 vendor for 100% Quantity

## 7. Completion PERIOD/Delivery Period:


- a) The Completion Period for the Works covered under this tender document is 12 (twelve) months including winter & monsoon seasons from the date of issue of LOI or handing over of site by Site-In-Charge / Dy. General Manager-LPG Projects HQO, whichever is later.
- b) The Completion date shall be the date of completion of entire work of MSV with top paver laying, side drains.
- c) Completion of MSV means “Completion of the Vessels with applicable Testing & installation of CP System & Mounting & Testing of all instrumentation & Mounding of the Vessels with Painting & Paver Blocks and Obtaining Certificate of Control all complete & excluding commissioning.”
- d) The Handing over of the completed work shall be done by the Contractor to HPCL.

## 8. PAYMENT TERMS:

- a. **General:** All payments will be made by HPCL in Indian Rupees only for materials supplied & provided by the contractor. All import of materials / equipment required as per the tender shall be carried out by the Contractor under their own Import License.
- b. **Material to be brought in IE License of Party:** HPCL will not issue any Import License to the contractor. Bidder to note that no Payment shall be released till the Design is approved by TPIA, CCOE/PESO & HPCL. All payments shall be released after basic Design is approved.

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <u>11</u> of <u>11</u>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

- c.** VENDOR TO NOTE THAT FROM EACH BILL 10% AMOUNT WILL BE RETAINED AS RETENTION AMOUNT FOR TILL THE DEFECTS LAIBILITY PERIOD. VENDOR HAVE OPTION TO SUBMIT CPBG OF 10% OF PO VALUE (LANDED VALUE) IN LIEU OF SECURITY DEPOSIT & RETENTION AMOUNT VALID TILL THE END OF DEFECTS LAIBILITY PERIOD PLUS ADDL 3 MONTHS FOR CLAIM PERIOD
- d.** Drawings & Approvals:
- i. 90% of the item rate will be paid, on completion of Design, Preparation of fabrication / construction drawings, FEM Analysis of vessel designs & obtaining approval of third party inspection agency & HPCL and on obtaining approval of CCOE/PESO on furnishing BG for equivalent amount.
  - ii. 10% of item rate will be paid after completion of the total work and handing over the mounded bullets.
- e.** Fabrication of vessels
- i. 20% of the item rate will be paid on Rolling of the shells, completion of L-Seam welding and Radiography at site on pro-rata basis as per following break up  
6% of the item rate will be paid on Rolling of the shells & Fit up,  
8% on completion of L-Seam welding on prorata basis and  
6% on completion of Radiography at site on pro-rata basis.
  - ii. 10% of the item rate as detailed below will be paid on completion of dish ends fabrication including Radiography, on pro-rata basis as per following break up  
  
4% Cutting & Pressing of Petals, crown plate on pro-rata basis.  
4% Petal to Petal & crown (Joints) Fit-up & welding on pro-rata basis.  
2% Radiography of Joints, on pro-rata basis
  - iii. 20% of the item rate will be paid on completion of C-seam welding, Internal Stiffeners, erection of the dish ends including welding and radiography on prorata basis.

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <u>11</u> of <u>11</u>
	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

6% of the item rate will be paid on C Seam Fit up,

8% on completion of C-Seam welding on prorata basis and

6% on completion of Radiography at site on pro-rata basis.

iv. 20 % of the item rate will be paid on completion of all flanges, lifting lugs, Pads, Manholes, Bottom pipeline, vortex breaker, internal ladder including NDT and radiography.

v. 20 % of the item rate will be paid on completion of Post weld heat treatment and radiography on prorated basis.

10% of the item rate will be paid on completion of PWHT,

10% on completion of RADIOGRAPHY on prorata basis and

vi. 5 % of the item rate will be paid on completion of Hydro-testing,

vii. 5% of the item rate will be paid on post hydrotest NDT, erection of accessories and handing over the vessel complete in all respects including submission of Certificate Of Control which will be the final bill.

f. Supply, Fabrication, fit up, erection & NDT of all Nozzle

i. 60% of Item Rate on Supply of Nozzle Materials (Pipe, Flanges, Fittings, Fasteners and Gaskets) on Pro-rata basis (provided all the items required for the respective item in the purchase order is supplied)

ii. 10% of the Item rate on pre-Fabrication of Nozzle with NDT



iii. 20% of the Item rate on fit up, welding and NDT of Nozzle with MSV

iv. 10% of the item rates will be paid on completion of entire work including Hydro-testing, erection of accessories and handing over the vessel complete in all respects which will be the final bill.



f. Polyurethane-Direct to Metal DTM Coating of Vessels

i. 50% of the item rate will be paid on approval & receipt of Paint at site and certification by TPIA on pro-rata basis.



ii. 20% of the Item rate on Surface preparation & Primer application on pro-rata basis (Primer application not applicable incase of DTM)

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <u>11</u> of <u>11</u>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

- iii. 20% of the item rate will be released based on completion of PU-DTM Coating at site on prorata basis. Partial Release of Bills on stages as per certification by HPCL
  - ii. 10% of the item rates will be paid on completion of entire work on pro-rata basis.
  
- g. SERVO & RADAR Gauges, SRV, HLA, Multiport Relief Valves, FLP&WP enclosures & Display Units and JB, Isolation Valves
  - i. 60% of the item rate on submission of instruments details (Sr No., make, model No, Peso License No. with validity etc.) in a tabular form and supply of equipment along with third party inspection reports. (Provided all components forming part of the items rates is supplied)
  - ii. 20% of the item rate on completion of erection on pro-rata basis.
  - iii. 15% of the Item Rate on completion of loop checking of the instruments on pro-rata basis (as applicable)
  - iii. 5% of the item rates on commissioning of the vessels.
  
- h. Tank Farm Management
  - i. 60% of the item rate on supply of equipment along with third party inspection reports and certification by TPIA. (Provided all items required for execution of item is made available at site and certified by TPIA/HPCL)
  - ii. 20% of the item rate on completion of installation on pro-rata basis
  - iii. 15% of the item rate on loop checking of the instruments.
  - iii. 5% of the item rates on commissioning of the vessels and integration with HPCL ERP system.
  
  - i. Design & supply, Installation & Commissioning of CP System
    - i. 50% of the item rate will be paid on validation of design & supply of all items/materials as per BOM to site on pro-rata basis
    - ii. 20% of the Item Rate on installation at site on pro-rata basis
    - iii. 15 % of the item rates will be paid on completion and testing of the system as per specifications
    - iv. 15% of the item rates on completion of the vessels.

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <u>11</u> of <u>11</u>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

- j. RCC / PCC Work
- i. 65% of Item rate - RCC/PCC casting on pro-rata basis
  - ii. 30% of the Item rate on 28 days Testing & acceptance on pro-rata basis
  - v. 5% of the item rate on Completion of all works
- k. Supply, Fill up and compaction of River Sand and M Sand
- i. 50% of Item rate on Supply of Material at site and certification by TPIA in meeting the tender specifications (provided that the quantity can be verified by TPIA/HPCL and with a reduction of 30% qty. on bulkage)
  - ii. 45% of Item Rate on fill up, compaction and completion as per QAP certified by TPIA
  - iii. 5% of Item rate on completion of all works covered in the Scope of Contract
- l. Reinforcement & structural steel work
- i. 55% of item rate on completion of supply of quantity estimated to be required for the work with lab test & Manufacturer test certificates certified by TPIA (However if purchase value of material is less than 55% of item rate, lesser value will be paid)
  - ii. 40% of Item Rate on completion of RCC casting
  - iii. 5% of Item rate on completion of all works
- m. Supply and Laying of Geo-Textile Sheets & UPVC Sheet
- i. 70% of the item rate will be paid on supply of all items/materials as per BOM to site on pro-rata basis and certification by TPIA. (with applicable reduction in view of overlapping as deemed fit by HPCL/TPIA) (However if purchase value of material is less than 55% of item rate, lesser value will be paid)
  - ii. 25 % of the item rates will be paid on installation & completion in all respects as per item description and specifications
  - iv. 5 % of Item Rate on completion of all works covered in the scope of contract

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

r. All items other than those covered above:

- i. 95% of the item Rate on completion of item in all respects as per Item description & specifications.
- ii. 5% of Item rate on completion of all works covered in the Scope of Contract

Towards all the above payments necessary statutory deductions & retention money as applicable will be withheld in line with general terms & conditions of works contract subject to submission of bank guarantee.

Documents for Payment to be submitted to the along with the invoice:

All documents listed below should be submitted along with the invoice for release of payment;

- i. Tax Invoice
- ii. Receipt copy of Delivery Challan
- iii. Lorry Receipt/GR
- iv. Inspection Release Note along with Test Certificates



One set of these documents shall be sent by vendor to the consignee also along with the material. Please note that in the absence of above documents, the material will not be accepted at site.

#### 9. Security Deposit (SD), Performance Security and Retention Money:

Successful parties will be required to furnish Security Deposit of 2% of PO Value within 15 days of LOA/Purchase Order, whichever is earlier. For this purpose, the date of publishing of e-PO on Vendor Self Service (VSS) portal shall be considered as the date of issue of PO. The Security Deposit is to be submitted to respective User.

The Security Deposit (SD) and / or Performance Security is to be submitted at following address:



Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <b>11</b> of <b>11</b>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

Sr. No.	Name of Schedule	Address of Department
1	Barmer	Mr. REDDY DHANUMJAYA, Deputy General Manager - LPG Projects, <a href="mailto:rdras@hpcl.in">rdras@hpcl.in</a>

- Additionally, retention money shall be deducted @ 5% of the total value of the Running Account and Final Bill by HPCL on account of any damage/defect liability that may arise for the period covered under the defect liability period clause of the Contract, free of interest.
- Alternatively, Composite Performance Bank Guarantee (CPBG) for 5% of PO value will be accepted in lieu of Security Deposit and deduction of retention money; such CPBG shall be valid up to a period of *3 months beyond the expiry of defect liability period.*

## 10.CONTACT DETAILS

Contact Person for Technical Queries:

As provided above



Contact person for Commercial queries:

Mr. Aswini Kumar Kochara- GM-Category Management – CPO(M):

Phone – 022- 22101301, email - [cpo.steel@hpcl.in](mailto:cpo.steel@hpcl.in)

Mr. Pankaj Sharma – CPO(M): Phone – 022- 23030273, email – [pankajsharma@hpcl.in](mailto:pankajsharma@hpcl.in)

## 11. SITE LOCATION

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	Page <u>11</u> of <u>11</u>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

Address of site location is as given above. The intending vendor should inspect the site at his own expense and make himself familiar with the site conditions. Non-familiarity of the site conditions will not be a reason either for extra claim or for not carrying out the work in conformity with the drawings and specifications.

## 12. DELIVERY, PACKING & FORWARDING

Materials to be delivered at site on Door - Delivery basis at the address mentioned in the tender. All fragile and delicate components shall be packed separately, individually with proper marking. Item number shall be painted prominently on the unit for proper identification

## 13. TRANSIT RISK

The Vendor shall cover the Transit Risk Insurance for goods supplied against this tender and the quoted rates shall include the cost of Transit Insurance.

## 14. Details of IEMs appointed by the Buyer are as follows:

### Details of IEMs:



Shri Ashwani Kumar : ashwani.ashwani282@gmail.com

Shri. Rajesh Ranjan : rajeshranjan2@gmail.com

**Address of IEMs:** C/o The Company Secretary, HPCL, 6thFloor, Petroleum House, 17, Jamshedji Tata Road, Churchgate, Mumbai 400020

## 15. CONFIDENTIALITY

The successful bidder is bound to perform the agreement / contract in utmost confidentiality and shall not copy documents / information of the Corporation and shall not divulge any secrets of knowledge of things or processes which Bidder comes to know or acquires during the performance of the contract. Any breach on this account shall render the contract liable to be terminated by HPCL. HPCL also reserves the right to initiate appropriate legal action against the Bidder for breach of any copyright or infringement of intellectual property of HPCL disclosed to Bidder during the performance of the contract.

Tender No. 5100011605 Dated 02.04.2024	Hindustan Petroleum Corporation Limited	<u>Page 11 of 11</u>
 	TENDER for 2 x 700 MT Capacity Mounded Storage Vessels, works MADURAI LPG PLANT	

Bidders are requested to carefully read the bid document, Specifications, Data Sheets, Instructions etc. as contained herein and submit their most competitive offer for HPCL's review and acceptance.

**\*In case of any discrepancy between description given in Schedule of Quantity and Item line description, description given in Schedule of Quantity will be taken into consideration.**

#### PRICE BID

To be filled on line in the e procurement site <http://eproc.hpcl.co.in>