



मंगलूर रिफाइनरी एण्ड पेट्रोकेमिकल्स लिमिटेड
MANGALORE REFINERY & PETROCHEMICALS LTD.
(ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लिमिटेड की सहायक कंपनी)
(A Subsidiary of Oil and Natural Gas Corporation Ltd.)



EXPRESSION OF INTEREST (EOI)

FOR

**PET Depolymerization pilot plant in MRPL,
Mangalore**

EOI NO.: MRPL/EOI/2024-2025/02

Invitation for Expression of Interest (EOI)



Invites Expression of interest (EOI)

For

**PET Depolymerization pilot plant in
MRPL, Mangalore**

1. INTRODUCTION

Mangalore Refinery & Petrochemicals Limited (MRPL), a subsidiary of Oil and Natural Gas Corporation Limited) and a Schedule “A” Company is a grass root crude oil refinery located at Mangalore, a coastal city of Karnataka. MRPL is involved in the business of Refining and Marketing of Petroleum and Petrochemical products and has a nameplate capacity of 15 MMTPA.

2. BACKGROUND

This expression of interest is being floated as per the requirement of MRPL for the supply of PET depolymerization pilot plant. MRPL will share the requirements in the technical specifications. Vendors can share availability of the pilot plant as per the technical specifications and their corresponding costs. Section 4 in this EoI contains the information to be supplied by the applicant.

3. OBJECTIVE

- 3.1 MRPL is looking to setup a pilot plant for PET depolymerization process in refinery premises to convert Polyethylene Terephthalate (PET) into its monomers.
- 3.2 In this regard, MRPL intends to float an open tender for the above mentioned pilot plant for PET processing capacity of 0.5 kg/h. The process schema is confidential and can be disclosed to vendors only after due execution of Non-Disclosure Agreements (NDA).
- 3.3 The objective of this Expression of Interest (EoI) is to identify the potential bidders, understand their capabilities for setting up a pilot plant on turnkey basis at MRPL’s Mangalore site and provide bidding opportunity for qualified bidders.
- 3.4 Based on the information submitted by interested bidders and after execution of NDA, MRPL may invite qualified bidders to participate in the tender (competitive bidding) for pilot plant.
- 3.5 The broad scope of the successful bidder includes but not limited to the following:
 - a. Plant engineering including such as PFD, P&ID, HAZOP, Datasheets etc.
 - b. Procurement, construction/erection in skid,
 - c. Factory Acceptance Test (FAT)
 - d. Transfer and assembly at site
 - e. Commissioning and Site Acceptance Test (SAT)

4. INFORMATION TO BE SUBMITTED BY THE APPLICANT

- 4.1 Bidder shall duly fill the appropriate information sought in the table below submit the information sought as EoI response. All the job experience quoted and their documentary evidence shall correspond to job carried out in the last 10 year period ending last day of the month previous to the one in which this EoI is published.

1. General Information	
1.1	Name of the BIDDER / Firm
1.2	Nature or legal status of the Firm
1.3	Name and address of associated companies to be involved in the project with relationship and role, if any.
1.5	Registered Address of Firm
1.6	Contact Person

1.7	Designation and address of Contact person			
1.8	Email			
1.9	Turnover & Net worth of the Firm during last three financial years (Please enclose copy of audited annual reports)	Year	Turn Over (INR)	Net Worth (INR)
		2023-24		
		2022-23		
		2021-22		
1.10	In case firm is a subsidiary, indicate the role of parent company			
2. Information regarding the technical capabilities				
2.1	Category of the bidder	Primary OEM fabricator supplier/ Authorized Supplier / Others (please specify)		
2.2	Number of continuous or semi-continuous pilot or demo plants the bidder has carried out engineering activities, supply, installation and successful commissioning for hydrocarbons as at least one of the reactants with reactor pressure not less than 5 kg/cm ² g, reactor temperature not less than 160°C and main product capacity not less than 0.5 kg/h.			
2.3	Number of continuous or semi-continuous pilot or demo plants the bidder has carried out meeting the criteria mentioned in clause 2.2 above with catalysis reactions.			
2.4	Number of continuous or semi-continuous pilot or demo plants the bidder has carried out meeting the criteria mentioned in clause 2.2 above with at least 5% solid slurry preparation and/ or dosing system.			
2.5	Number of continuous or semi-continuous pilot or demo plants the bidder has carried out meeting the criteria mentioned in either clause 2.3 or 2.4 above with at least one binary or multiple distillation column for product or feed separation.			
2.6	Capacity in kg/h of maximum three such continuous or semi-continuous pilot or demo plants the bidder has carried out meeting the criteria mentioned in clause 2.5 in INR*			
2.7	Total purchase order value of such continuous or semi-continuous pilot or demo plants the bidder has carried out meeting the criteria mentioned in clause 2.5 in INR*			
2.8	Number of such continuous or semi-continuous pilot or demo plants the bidder has supplied meeting the criteria mentioned in clause 2.5 to any of R&D centers or CSIR-Institutions or Refinery Quality Control Laboratory or Academic Institution (IIT, NIT and IISc) or Hydrocarbon sectors like Refineries/Petrochemicals/Fertilizer Plants/Oil & Gas Processing plants in India			

2.9	Name and location of bidder's Indian office or partners to carry out site installation activities and AMCs.	
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4.2 Bidder may indicate “at least 3” in case the number of the pilot or demo plant sought in the above table exceeds more than 3.

4.3 Documentary evidence for experiences mentioned in the table above under clauses 2.5 through 2.8 are to be submitted in the form of all the following:

- a. Purchase order copy
- b. Site Acceptance Test copy or Completion Certificate copy
- c. Certificate of satisfactory performance for at least two continuous year of operation from client
- d. Contact details of the client including business email and telephone number

4.4 Bidder should not be under holiday listing by any Govt. Body/PSUs till this EoI closing time and bidder shall submit an undertaking to this effect.

5. SCHEDULE

Applicants shall fill the information sought in Section 4 above and submit the response within 21 days from the date of floating of this EoI.

6. DISCLAIMER

MRPL has prepared this document to give interested parties background information on the project. While MRPL has taken due care in the preparation of the information contained herein and believes it to be accurate, neither MRPL nor any office authorities, officers, employees, agents/and advisors gives any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this document or any information contained in this document or any information which may be provided in connection therewith.

The information is not intended to be exhaustive. Interested parties are required to make their own inquiries and respondents will be required to confirm in writing that they have done so and they do not rely on the information provided in the Expression of Interest (EOI) document in submitting their response. The information is provided on the basis that it is non –binding on MRPL or any of its authorities or agencies or any of their respective officers, employees, agents or advisors.

MRPL reserves the right not to proceed with the project, to alter the timetable reflected in this document or to change the process or procedure to be applied for listing of enquiry partners. It also reserves the right to decline to discuss the project further with any party expressing interest. No reimbursement of cost of any type whatsoever will be paid to persons, or entities, expressing interest in the project.

Mangalore Refinery and Petrochemicals Limited (MRPL) is a subsidiary of M/s. Oil and Natural Gas Corporation Limited (ONGC). MRPL proposes to invite Expression of Interest.

EOI Details as follows:

EOI No.	MRPL/EOI/ 2024-2025/02
EOI on Website	From 01.08.2024 to 31.08.2024
Last Date for queries/Seeking Clarifications	15.08.2024
Closing date for submission of EOI	31.08.2024
EOI documents available at	www.mrpl.co.in/eoi

Please contact below mentioned personnel for further details:

Designation	Contact No.	Email id
SM (TECHNICAL SERVICE)	9036459487	karthick_r@mrpl.co.in
M (TECHNICAL SERVICE)	9448626401	pramodhegde@mrpl.co.in

All Credentials/ Documents shall be addressed to

General Manager
Materials Department
Mangalore Refinery & Petrochemicals Ltd
Kuthethoor PO, Via Katipalla, Mangalore – 575 030
Karnataka- India

The envelope containing the documents shall be superscribed

“EOI for PET Depolymerization pilot plant”