



मेकाँन लिमिटेड (भारत सरकार का संस्थान)
MECON LIMITED (A GOVT. OF INDIA ENTERPRISES)



13वां एवं 15वां तल, नार्थ टॉवर, स्कोप मीनार, लक्ष्मी नगर व्यवसायिक केन्द्र, दिल्ली-110092, (भारत)
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M/s IRM Energy Limited
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22 September, 2023

Kind Attn: Mr. Prashant Sagar, COO

Sub: Preparation of Report on CAPEX Expenditure for Namakkal & Tiruchirappalli GA, Tamil Nadu

Ref: 1. Work Order No. Amendment 2 no. IRMEL/PROJ/WO/22-23/CAPEX_REPORT/N&T /MECON/011-02 dtd. 21.04.2023

Dear Sir,

With reference to the captioned subject matter, we are pleased to submit herewith the **Final Report**, as mentioned in at page no. 1 of 1 of above said Work Order dated. 21st April 2023, for your kind perusal please.

Thanking you and assuring you of our best services at all times.

Yours faithfully
for MECON Limited



Paritosh
(Paritosh Padha) 22/09/23
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IRM ENERGY LIMITED



MECON LIMITED
(A Govt. of India Enterprise)
NEW DELHI- 110092



CAPITALEXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

SEPTEMBER, 2023

CONTENTS

Chapter No.	Description	Pages
01	Introduction	13
01.01	IRMEL	
01.02	MECON Ltd	
01.03	Background	
01.04	Typical Process Flow of CGD GA	
01.05	Contents of the CAPEX Report	
01.06	Acknowledgement	
02	Scope & Methodology	01
03	Technical Infrastructure	13
03.01	General	
03.02	City Gate Station	
03.03	Steel Network	
03.04	CNG Stations	
03.05	PE Network	
03.06	Consumer Connections	
03.06.01	Domestic Connections	
03.06.02	Commercial Connections	
03.06.03	Industrial Connections	
03.07	Others	
03.07.01	Trunk Line	
03.07.02	Retail Cylinder	
03.07.03	LCNG Station	
03.07.04	District Regulating Station (DRS)	
03.07.05	Heavy Commercial Vehicle (HCV)	
04	Capital Cost	09
04.01	General	
04.02	Major Facilities	
04.03	Assumptions	



CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU



04.03.01	Land and ROU Compensation	
04.03.02	Equipment	
04.03.03	Spares	
04.03.04	Civil Engineering Works	
04.03.05	Erection	
04.03.06	Freight, Insurance, Duties and Taxes	
04.03.07	Engineering, Supervision and Project Management	
04.03.08	Owner's Management Expenses	
04.03.09	Connection Charges	
04.03.10	Contingencies	
04.04	Phasing of Capital Expenditure	
05	Statutory Approvals Clearances	06
05.01	Critical Approvals	
05.02	Routine Approvals	
05.03	Routine Clearances for CGS and Mother Station	
05.04	Routine clearances for CNG Stations	
05.05	Routine clearances for Pipeline laying	
05.06	Other HSE Compliances	
06	Conclusion	02
	Annexures	12

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01.00 Introduction

01.01 IRM Energy Ltd (IRMEL)

IRM Energy Limited (IRMEL) is an integrated value driven energy enterprise. The Company is engaged in City Gas Distribution (CGD) developing Natural Gas Distribution network across various districts in the country for customers in domestic, industrial, commercial and automobile sector.

IRMEL is engaged in the business of laying, building, operating and expanding the city or local natural gas distribution network in the authorized Geographical Areas (GAs) – Banaskantha, Fatehgarh Sahib, Diu & Gir Somnath and Namakkal & Tiruchirappalli. The Company is presently operational in all GA's except Namakkal & Tiruchirappalli Geographical Area (GA) wherein project work is under execution. As informed by IRMEL, as on June 30, 2023, IRMEL serves 52,454 domestic, 269 commercial and 184 industrial customers. Further, as on June 2023, the Company has 66 Compressed Natural Gas (CNG) retail outlets operational (including One (1) Liquefied Compressed Natural Gas (LCNG) station). Thus, the Company seems to have experience in terms of operation management, stakeholder management and supply chain risk management. The Company has a workforce of 170 employees across all locations as on June 30, 2023.

IRMEL received authorisations for the GAs awarded for Banaskantha and Fatehgarh Sahib, in the sixth round of bidding conducted by the Petroleum and Natural Gas Regulatory Board (“PNGRB”) in July 2016. Thereafter, it received the authorisation for the GA of Diu & Gir Somnath in the ninth round of bidding conducted in September 2018. More recently, IRMEL received the authorisation for the GA of Namakkal and Tiruchirappalli in the eleventh round of bidding conducted by PNGRB in January 2022.

01.02 **MECON Ltd**

MECON LIMITED is a public sector undertaking under the Ministry of Steel, Government of India. MECON Ltd. established in 1959 under the aegis of Central Engineering & Design Bureau (CEDB), is India’s frontline engineering, consultancy and contracting organization, offering full range of services required for setting up of Project from concept to commissioning including turnkey execution.

MECON is a multi- disciplinary firm with more than 1000 experienced & dedicated engineers, scientists, and technologists, having a network of offices spread all over the country, experienced in handling consultancy assignments and Engineering, Procurement and Construction (EPC) Projects.

MECON has played a significant role in the development and expansion of Indian Industries. MECON is an ISO: 9001:2008 company and is registered with international financial

institutions like World Bank, Asian Development Bank, and African Development Bank and has technological tie-ups with world leaders.

Key Areas of Activities:

METALS - Iron Making, Steel Making, Rolling Mills, Non- Ferrous, Coke Ovens, By- products & Chemicals, Raw Materials & Mining, Beach Sand Mining & Mineral Beneficiation, Refractories Research & Development

POWER Plant - Thermal & Hydel, Transmission & Distribution, Non-Conventional Energy Sources, Energy Management & Audit, RLA & RMU Studies

OIL & GAS - Oil & Gas Pipelines, Petrochemicals & Refineries, Compresses Natural Gas (CNG) Stations & City Gas Distribution, (Petroleum, Oil, and Lubricants) POL Depots, Liquefied Petroleum Gas (LPG) Bulk Storage, Handling, Bottling & Transportation, Group Gathering Station., Off-Shore Platforms & Marine Pipelines, Retail Outlets

INFRASTRUCTURE, Civil & Structural Engineering, Architecture & Town Planning, Ports & Material Handling, Roads, Bridges, Highways & Flyovers, Defence Sector, Environmental Engineering, Hydro Engineering, Information Technology, Techno- Economics and Management Consultancy Services, Healthcare Sector

RANGE OF SERVICES:

Consultancy:

MECON's Range of Services includes the entire gamut of works relating to setting up of Greenfield as well as Brownfield projects from Concept to Commissioning such as:

- Market Survey & Product Mix
- Planning, Analysis and Feasibility Reports
- Detailed Project Reports
- Process Know-How Selection
- Transaction Advisory
- Basic and Detailed Engineering
- Procurement & Contract Engineering
- Construction & Project Management
- Inspection & Expediting
- Computerization & Industrial Automation
- Environmental Engineering
- Health Studies
- Asset Evaluation
- Residual Life Assessment (RLA)
- Restructuring & Engineering for Plant Relocation

EPC:

Our diverse expertise and talents enables us to offer our clients the complete range of engineering, procurement and construction (EPC) services that bridge all the clients construction needs. MECON takes single point responsibility for managing all elements of project execution viz; basic and detail

engineering, procurement, plant construction, erection, start up, commissioning and post commissioning services.

For each project, MECON assembles a unique team of highly qualified and experienced project managers, engineers and procurement and construction specialists that covers the following major areas:

- Site Survey and Soil Investigation
- Design and Detail Engineering
- Civil and Structural Engineering work
- Supply of Plant and Equipment
- Contract Engineering
- Inspection and Expediting
- Construction Management
- Project Monitoring and Control
- Erection and Trial Run
- Commissioning Services
- Demonstration of Performance Guarantee Parameters
- Post Commissioning Services

01.03 Background

IRMEL has requested the services of MECON as an Expert for carrying out the CAPEX Expenditure Report for initial critical phase of the city gas distribution project at Namakkal & Tiruchirappalli GA, Tamil Nadu, (“**Expert Report**”) for the Fiscal 2024 (from December 2023 to March 2024), Fiscal 2025, Fiscal 2026 and Fiscal 2027 (only 6 months i.e. April 1 2026 up to 30 September 2026) (“**Execution Period**”).

The Company has informed MECON that the CAPEX incurred by IRMEL for Fiscal 2023 and Fiscal 2024 (5 months i.e 1 April, 2023 up to 31 August, 2023) was out of its internal accruals and borrowing tied up with HDFC Bank Limited. In this context, IRMEL has provided the Chartered Accountant (CA) certificate dated 22 September 2023 from Mukesh M. Shah & Co. (Chartered Accountants) on the CAPEX for Namakkal and Tiruchirappalli GA which states that the amount of INR 510.59 Million has been incurred towards capital expenditure i.e. Land, Building / Civil, Plant & Machinery and other cost (incl. capital advance), up to period ending August 31, 2023 out of internal accrual and proceeds from bank borrowing.

01.03.1 Reasons for deviation in Capital Expenditure (Planned V/s Actual)

As per the earlier planned Capex by IRM for fiscal 2023, the Company estimated to incur capital expenditure of an amount of INR 671.86 Million for the development of the city gas distribution network in the geographical area of Namakkal and Tiruchirappalli in the State of Tamil Nadu (“Development Activity”). It can be observed from the CA certificate that actual expense incurred till 31 August 2023 is INR 510 .59 Millions and the remaining cost of INR 161.27 Millions was not utilised yet.

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

The amount forecasted was to be spent through IRMEL internal accruals and borrowing tied up with HDFC Bank Limited.

As per the above said CA certificate dated 22 September 2023 from Mukesh M. Shah & Co. (Chartered Accountants), the description of expenses incurred as on 31st August, 2023 are shown in below table.

Sl. No.	Description	Amount Incurred As on August 31, 2023 * (INR Million)
A)	Facilities	
1	City Gate Station	17.81
2	CNG Stations	130.05
3	Steel Pipe Network	134.94
4	MDPE Pipe Network	9.23
5	Others	211.56
	Sub-Total (A)	503.59
B)	Connections- PNG	
1	Domestic	0.00
2	Commercial	0.00
3	Industrial	0.00
	Sub-Total (B)	0.00
	Sub-Total (A+B)	503.59
C)	Other Costs	
1	Contingencies	7.00
	Sub-Total (C)	7.00
	Grand Total	510.59

**The detailed breakup of expenses incurred as mentioned in above table is solely as per the CA certificate dated 22.09.2023, provided by IRMEL.*

The various reasons, as stated by IRM, for the above shortfall in the cost planned vis-a-vis incurred are as below:

1. Although, Indian Oil Corporation Limited (“IOCL”) had given the demand note for Tap-Off agreement for connectivity of

IRM's GA with IOCL transmission line, but the signing of the Tap-off agreement got delayed due to lengthy internal process of approvals of IOCL and the approval from the Competent Authority in IOCL was also required. The agreement was signed on 25.01.2023.

2. The capital expenditure proposed to be incurred in connection with the setting up of CGS was aligned with the signing of the Tap-off agreement with IOCL, as well as further technical inputs required to be provided by IOCL technical team (post signing of the agreement with IOCL). The signing of the Tap-off agreement proposed by IRM Energy limited got delayed due to reasons stated in the preceding paragraphs.
3. Significant time was taken by IOCL in providing technical inputs post signing of agreement due to multilevel and multi office internal deliberations within IOCL. In view of the above delay, IRMEL delayed the delivery of certain equipment related to setting up of CGS.
4. The activities related to procurement of capital equipment for setting up of mother station were aligned with the commissioning of City Gate Station (CGS) and accordingly, delivery of these equipment at site were also delayed.
5. Since the Daughter Booster Station (DBS) are fed from mother station for retail selling of CNG, the company strategically further decided to realign the delivery of equipment for CNG retail outlet and accordingly, delivery of these equipment at site were also delayed due to the above mentioned reasons.

6. District Regulation Station (DRS) are fed from the outlet of City Gate Station (CGS) and since the setting up of CGS facility got delayed, the delivery of DRS at site was realigned.

Considering all the above main reasons and delay in obtaining routine approvals like PESO, NHAI access permission and CTE from Tamil Nadu Pollution Control Board (TNPBC), the Company could spend lower amount against the initial plan.

The Company as per its project execution plan of Execution Period- envisages to create below infrastructure as part of the rollout in Namakkal and Tiruchirappalli District, TamilNadu:

Particulars	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	TOTAL
CGS (City Gate Station) (Nos)	1	0	1	0	0	2
Mother CNG (Compressed Natural Gas) Station (Nos.)	1	0	1	0	0	2
Online DODO (Dealer Owned Dealer Operated) Station (Nos.)	0	0	0	1	1	2
DBS (Daughter Booster Station) OMC (Oil Marketing Companies) Station (Nos.)	7	9	13	11	12	52
DBS (Daughter Booster Station) DODO (Dealer Owned Dealer Operated) Station (Nos.)	0	0	3	2	4	9
Steel Pipeline Laying (Kms)	0	4	15	15	4.6	38.6
PE (Poly Ethylene) Pipeline Laying (Kms)	0	48	160	160	112	480
Domestic Connection (Nos)	0	3600	8000	8000	4400	24000
Commercial Connection (Nos)	0	9	20	22	11	62
Industrial Connection (Nos)	0	0	3	5	2	10
DRS (District Regulating Station) (Nos)	1	1	0	1	0	3
Retailing Cylinder Banks (Nos)	0	0	175	175	0	350
LCNG (Nos)	1	0	0	0	0	1
HCV (Nos)	0	0	4	4	0	8

01.04 Typical Process Flow of CGD GA

Petroleum & Natural Gas Regulatory Board (PNGRB) is the regulatory body involved in authorization, monitoring and

regulation of City Gas Distribution (CGD) at various parts of the country. Since inception, PNGRB has conducted various rounds of bidding to authorize various Geographical Areas (GAs) to eligible entities. The bidding process involves following:

1. Declaration of Geographical Areas (GAs) to be put under bidding
2. Eligibility Criteria set by Petroleum Natural Gas Regulatory Board
3. Bid Evaluation Criteria to declare successful bidder which involves commitment by a bidder in terms of number of Domestic Connections, Inch-Km of Steel Pipeline infrastructure and number of Compressed Natural Gas stations committed for various Geographical Areas (GAs). The evaluation is done for each Geographical Areas (GA) separately.

Based on above, various interested entities submit their bids and the ones declared successful against the eligibility and evaluation criteria, are authorized respective Geographical Areas (GAs).

Successful entities are required to do financial closure within given timelines and start creation of City Gas Distribution infrastructure network meeting various annual targets committed by them. Entities are also required to comply with various guidelines and notifications issued by PNGRB from time to time.

1. Identification of Gas source(s) for taking Natural Gas to City Gate Station (CGS) at desired pressure and quantity. For this, City Gas Distribution entity is to enter into Gas Purchase Agreement with gas supplier (owner of Gas Source).

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

2. Carrying out hydraulic study to finalise Steel Pipeline network (Primary Network) in terms of route, diameter, grade and pipeline thickness. The route is to be finalized considering location of City Gate Station (CGS) and demand centres including potential gas sales volumes at these centres. Through this exercise, tentative locations of On-line Compressed Natural Gas stations and District Regulatory Station are also finalized.
3. Study of clusters of household and commercial consumers to finalise local pipeline networks comprising of Poly Ethylene pipelines (Secondary Network).
4. Need to purchase plots for City Gate Station, On-Line/Mother Compressed Natural Gas stations and District Regulatory Station.
5. To seek permissions from concerned authorities for laying Primary and Secondary Pipeline Networks
6. Registration of domestic, commercial, and industrial consumers
7. Procurement of items pertaining to Primary and Secondary Pipeline Networks, Compressed Natural Gas infrastructure and Metering systems for various consumer segments, DRS, Odourising Unit etc.
8. Deployment of Contractors for development of City Gas Distribution related infrastructure in gradual manner.
9. Commissioning of Sub-systems to ensure commercial operations
10. Development of Operation & Maintenance support for various components of City Gas Distribution.
11. Regular audits, preparation of Emergency Response and Disaster Management Plan, Integrity Management System, putting the infrastructure on Geographic Information System platform

01.05 Contents of the CAPEX Report

The Report has been structured and contains information under following chapters to meet the requirement of the work order:

- Introduction
- Scope & Methodology
- Technical Infrastructure
- Capital Cost
- Statutory Approvals / Clearances

01.06 Acknowledgement

MECON thankfully acknowledges the help and cooperation extended by IRMEL officials and for giving their valuable viewpoints and feedback in preparation of this report.

We hereby accord our no-objection and our consent to our name, our report and its contents or any extract thereof, being included in any documents issued by IRMEL in connection with the Offer, including the updated draft red herring prospectus intended to be filed by the Company with the Securities and Exchange Board of India (the “SEBI”), the red herring prospectus and the prospectus that the Company intends to file with the SEBI and the Registrar of Companies, Gujarat at Ahmedabad (“RoC”) and the Stock Exchanges in respect of the Offer, including but not limited to, in any publicity or marketing materials other materials, research

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

reports, presentations or press releases or media releases or any other material published or filed by the Company in relation to the Offer (collectively, the “Offer Documents”).

We also consent to the inclusion of the references to us as "Experts" as defined under Section 2(38) of the Companies Act, 2013 in the Offer Documents. Further, we authorize you to include the report as a “Material Contract and Document for Inspection” in the Offer Documents, as required and make the report available for inspection in accordance with applicable law.

02.00 METHODOLOGY OF STUDY

The objective of the present study is to look at various aspects for carrying out the CAPEX Expenditure Report for Namakkal & Tiruchirappalli GA, Tamil Nadu for the Execution Period.

An overall scenario of technical infrastructure envisaged during the execution period was provided under the major heads of City Gate Station, Steel Pipeline Network, Poly Ethylene Pipeline Network, Compressed Natural Gas stations, Domestic, commercial, industrial connections by IRMEL along with Purchase orders and Quotations.

Purchase orders provided by IRMEL for already placed orders have been considered for this report. For balance heads, budgetary quotations provided by IRMEL, as received by IRMEL from various vendors, have been taken into consideration to arrive at final outcome.

Figures indicated in this report are based on the price data prevailing during the 3rd quarter of 2023 and do not include any provision for future escalation. However, additionally contingency provision has been made at 5%.

To achieve the objective of preparing the CAPEX Expenditure Report for Namakkal & Tiruchirappalli Geographical Area, Tamil Nadu for the Execution Period, capital costs for each segment has been made part of the report with the details for the project with assumptions given in chapters on Technical Infrastructure and Capital cost.

03.00 TECHNICAL INFRASTRUCTURE

03.01 General

IRMEL has formulated an internal target of infrastructure build-up for the Execution Period, in terms of steel / PE (Poly Ethylene) pipeline laying, establishment of DRS (District Regulating Station), Compressed Natural Gas stations and also establish domestic connections/commercial/industrial connections to enhance its revenue.

The infrastructure has been conceived by IRMEL and has been provided to MECON for CAPEX calculation. The details of infrastructure considered for CAPEX has been discussed in this chapter

03.02 City Gate Station

Two CGS (City Gate Station) have been proposed to cover the widespread Geographical Area through optimal steel and PE (PolyEthylene) network. The City Gate Stations will be set up on the following land parcels which are owned and possessed by the Company: (i) Tiruchirappalli registration district, Thiruverumbur sub registration district, Thiruverumbur Taluk, within the limits of Thiruverumbur Panchayat Union and Vengur Panchayat, Vengur Village, the property comprised in Survey No. 263/6, which is spread over 0.36 acres, and Survey No. 263/4, which is spread over 0.48 acres; and (ii) Tiruchirappalli registration district, Thiruverumbur sub registration district, Sooriyur Village Panchayat, Sooriyur Village, the property comprised in Survey No.

322/1, which is spread over 0.75 acres. These land parcels are registered in the name of the Company.

Metering skids of capacity 0.624 MMSCMD (Million Metric Standard Cubic Meter per Day) (Two Nos.) along with odorising unit are planned to be installed in this CGS. Mechanical equipment, Electrical and Instrumentation have been considered along with requisite erection.

Land for Indian Oil Corporation Limited skid and RoU (Right of Use), internal metering, filtration and odorization unit has been considered separately for both CGS (City Gate Station). Further, it has been informed by IRMEL that both lands have already been purchased.

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
	No. of CGS →		2	1	0	1	0	0
	Supply							
1	Equipment Supply	Lot	2	1	0	1	0	0
2	Odorising Unit	Lot	1	0	0	1	0	0
	Erection							
1	Mechanical	Lot	2	1	0	1	0	0
2	Civil	Lot	2	1	0	1	0	0

Note: Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure.

03.03 Steel Network

The Steel grid line network has been designed to cater to the required pressure. As mentioned above, there shall be two CGS (City Gate Station) constructed for supplying gas to the various areas in the Geographical Area. The steel pipeline network grid in the Charge areas shall comprise of proposed new pipelines of 12", 8" and 4" dia. All these steel pipeline systems put together, shall traverse a total length of about 38.6 km. The Main grid line & Branch line of different sizes comprising of proposed steel pipelines has been planned as follows, to cater demand arising from Automobile, Domestic, Commercial and Industrial consumers. While the Company does not require to purchase land to lay these steel pipes, the Company incurs cost which is paid to third parties in connection with the right to use the land where the steel pipes are laid. The right of use charges has been considered at ₹1,000/metre, which is as per industrial practices.

Costs towards RoU (Right of Use) acquisition, fitting and flanges, warning grid, Cathodic protection, Sectionalizing Valve (SV) stations, laying, GIS (Geographic Information System) Survey has been included as required for the total length of 38.6 km.

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
	Supply							
1	Steel Pipe (4" x 6.4mm-API 5L)	M	2198.28	98.28	0	100	2000	0
2	Steel Pipe (8" x 6.4mm-API 5L)	M	16558.72	58.72	0	6500	10000	0
3	Steel Pipe (12" x 6.4mm-API 5L)	M	111.90	111.90	0	0	0	0
	Laying							
1	Steel Pipe (4" x 6.4mm-API 5L)	M	7100	0	0	5000	2000	100
2	Steel Pipe (8" x 6.4mm-API 5L)	M	21500	0	600	10000	10000	900
3	Steel Pipe (12" x 6.4mm-API 5L)	M	10000	0	3400	0	3000	3600

Note: Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure

SV stations have been considered as below as per IRMEL infrastructure planning:

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
1	Sectionalizing Valve (2")	No.	34	0	12	10	12	0
2	Sectionalizing Valve (4")	No.	4	0	1	2	1	0
3	Sectionalizing Valve (8")	No.	8	0	2	3	3	0
4	Sectionalizing Valve (12")	No.	5	0	3	0	2	0

Note: Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure

03.04 CNG (Compressed Natural Gas) Stations

Various facilities have to be planned in a phased manner based on the available projected demand. Commensurate with growth in demand for CNG (Compressed Natural Gas), the CNG (Compressed Natural Gas) station facilities may be added in a staggered manner progressively in the Geographical Areas.

It is envisaged by IRMEL that 2 nos. of Mother Compressed Natural Gas Stations would be set up. Two (2) No. of Online Stations shall be operated on DODO (Dealer Owned Dealer Operated) model.

Moreover, Nine (9) DBS (Daughter Booster Stations) has been envisaged on Dealer Owned Dealer Operated model (DODO) and 52 DBS shall be operated on OMC's (Oil Marketing Company) premises.

The Company has purchased land to set up its city gate stations at the Namakkal and Tiruchirappalli Geographical Area. The Mother Stations will be set up on the same parcels of land where the city gate stations are located. The online DODO stations and daughter booster DODO stations are operated by the respective dealers, and the land upon which the online DODO stations and nine daughter booster stations will be set up, will be purchased or leased by the respective dealers, as applicable. The OMC's are responsible for purchasing or leasing land for the daughter booster OMC stations, as and when such daughter booster stations (OMC) are set up.

Year wise Infrastructure planning for the CNG (Compressed Natural Gas) stations has been as considered below:

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
1	Mother Station	No.	2	1	0	1	0	0
2	Online Station - DODO (Dealer Owned Dealer Operated)	No.	2	0	0	0	1	1
3	DBS (Daughter Booster Station)- DODO (Dealer Owned Dealer Operated)	No.	9	0	0	3	2	4
4	Daughter Booster Station -OMC (Oil Marketing Company)	No.	52	7	9	13	11	12

Note : Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure

The major equipment considered per station has been elaborated below:

Description	Mother Station
Compressors	1800 SCMH X 2 Nos.
Cascades	Type 1, 3000 liters X 1 No.
Dispenser	Car Dispensers- 2 Nos Bus Dispensers- 1 no

Description	Online-DODO
Compressors	1800 SCMH X 1 Nos.
Cascades	Type 1, 3000 litres X 1 No.
Dispenser	Car Dispensers - 2 Nos Bus Dispensers - 1 no

Description	DBS - DODO	DBS - OMC
Compressors	350 SCMh X 1 Nos.	350 SCMh X 1 Nos.
Cascades	Type: Type 1 3000 liters X 1 No., 4500 WL x 2 nos	Type: Type 1 3000 liters X 1 No., 4500 WL x 2 nos
Dispenser	Car Dispensers-2 Nos	Car Dispensers - 2 Nos

Further Diesel Generator Set & Control Panel, Substation, Pipe & Stainless-Steel Tubes, Fire Fighting System, Canopy, Forecourt & Signage, electrical supply and services, etc. have been considered as per requirement.

03.05 PE (Poly Ethylene) Network

Following are the details of the diameter-wise PE network planned to be installed in the execution period. This network will be established after the District Regulating Station (DRS) and will be laid upto the domestic, commercial and industrial customers' premises.

While the Company does not require to purchase land to lay these MDPE pipes, the Company incurs cost which is paid to third parties in connection with the right to use the land where the MDPE pipes are laid. The right of use charges differs on the basis of location, authority involved and the nature of the area where the pipes are being laid. The right of use charges has been considered for the entire length of the 125mm and 90mm MDPE pipes and for 50% length of the 63mm MDPE pipes, at ₹500/meter, as per industrial practice.

The quantity of PE pipes of various sizes required to be laid year wise along with Poly Ethylene valves is detailed herewith.

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
	Supply							
1	Dia. 125mm	M	72000	0	7200	24000	24000	16800
2	Dia. 90mm	M	24000	0	2400	8000	8000	5600
3	Dia. 63mm	M	72000	0	7200	24000	24000	16800
4	Dia. 32mm	M	312000	0	31200	104000	104000	72800
	Laying							
1	Dia. 125mm	M	72000	0	7200	24000	24000	16800
2	Dia. 90mm	M	24000	0	2400	8000	8000	5600
3	Dia. 63mm	M	72000	0	7200	24000	24000	16800
4	Dia. 32mm	M	312000	0	31200	104000	104000	72800

S. No.	Description (Ball Valve)	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
1	For 125mm	No.	72	0	7	24	24	17
2	For 90mm	No.	24	0	2	8	8	6
3	For 63mm	No.	72	0	7	24	24	17
4	For 32mm	No.	312	0	31	104	104	73

Note : Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure

With respect to the aforementioned quantities, cost associated with RoU (Right of Use), Poly Ethylene fittings, warning mat, etc. has been considered along with the cost of laying, testing and commissioning of Poly Ethylene network.

03.06 Consumer Connections for Piped Natural Gas (“PNG”)

03.06.01 Domestic Connections

IRMEL aims to provide uninterrupted gas supply to its domestic customers in the Namakkal and Trichy Geographical area. In line

with that, following is the plan to connect and cater the domestic customers in the execution period.

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
1	Domestic Consumers	No.	24000	0	3600	8000	8000	4400

Note: Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure

03.06.02 Commercial Connections

The commercial consumers using natural gas as fuel comprise of Hotels, Restaurants, Food Joints, Hostels, Hospitals, Bakeries etc. The year-wise distribution plan to connect and commission commercial customers is as given below:

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
1	Small	No.	20	0	9	0	0	11
2	Medium	No.	30	0	0	20	10	0
3	Large	No.	12	0	0	0	12	0
	Total	No.	62	0	9	20	22	11

Note: Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure

*Based on the capacity of the diaphragm metre, commercial meters are defined as small (G-4, G-6 and G-10), Medium (G-16) and Large (G-25)

03.06.03 Industrial Connections

Along with the domestic and commercial PNG connections, industrial PNG connectivity has also been planned in the execution period. The plan to commission the industrial customers is as follows:

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
1	Small	No.	3	0	0	1	0	2
2	Medium	No.	4	0	0	2	2	0
3	Large	No.	3	0	0	0	3	0
	Total	No.	10	0	0	3	5	2

Note: Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure

*Based on the flow rate capacity of the industrial metering skid, they are sub divided into small (G-25, G-40 and G-65), Medium (G-100) and Large (G-160 and G-250)

03.07 Others

03.07.01 Trunk Line

Trunk line cost includes cost of hook-up and Freight, Supply, Installation, Testing and Commissioning CGS main Skid.

Metering cum Filtering cum PRS Skid with dry gas filtration (1w+1s) has been considered

For high flow(range- 0.1-0.624 MMSCMD): 2 stream filtration(8") Skid+ 2 stream metering (4" USM)Skid +2 stream PRS(4") skid

For low flow(RPD G160 range- 0.003-0.1 MMSCMD): 2 stream PRS(3") skid +2 stream metering (3"RPD/TFM) Skid.

Further, Material Procurement for ML & station Works:(~0.1 Km Pipe-API5L 6.625"OD, 6"x600# GOV-1no., 8"x600# valves-1 no., 6"x300# valves-1 no., etc.) . Pipeline laying, Installation of Valves, Foundation of pipes & Valves, Steel Structure, etc. have been considered. The above details have been taken as provided by Indian Oil Corporation Limited to IRMEL.

03.07.02 Retail Cylinder Banks (RC)

Expecting enhanced commercial visibility, IRMEL has planned to implement a new concept to deliver natural gas to commercial customers through banks of Retailing Cylinders (RC). Each RC bank will be composed of 4 cylinders. 175 nos. of RC banks will be brought into action in fiscal 2025 and additional 175 nos. of RC banks will become part of the system in fiscal 2026.

03.07.03 Liquefied Compressed Natural Gas (LCNG) Station

In absence of NG pipeline passing through Namakkal district, IRMEL proposes to install one LCNG station during fiscal 2023.

The company has entered into a long-term Land lease agreement. The land is situated at Namakkal Registration District, Rasipuram Sub Registration District, Rasipuram Taluk, Kurukkapuram Village, Patta No.1324, the property comprised in Old Survey No. 42/2 and then Survey No. 42/2B, now New Sub-Division Survey No. 42/2B1, an extent of Acre 0.40 Cents and at Namakkal Registration District, Rasipuram Sub Registration District, Rasipuram Taluk, Kurukkapuram Village, Patta No.1325, the property comprised in Old Survey No. 42/2 and then Survey No. 42/2B, now New Sub-Division Survey No. 42/2B2, an extent of Acre 0.37 ½ Cents and at Namakkal Registration District, Rasipuram Sub Registration District, Rasipuram Taluk, Kurukkapuram Village, Patta No.1326, the property comprised in Old Survey No. 42/2 and then Survey No. 42/2B, now New Sub-Division Survey No. 42/2B3, an extent of Acre 0.63 Cents.

The following facilities have been envisaged in the LCNG station:

- 1) Supply, Installation & Commissioning, Transportation of LCNG Equipment including Liquid Nitrogen flushing and Fire Hydrant System.
- 2) 2 Nos 46 KL Tank for Transportation of LNG from LNG Terminal.

Land, and associated Building, Architecture, Soil Testing and Survey and Civil, Canopy, Highmast , Monolith, Hoarding , Electrical supply, SS tubes, cascade , Dispenser , Diesel generator, Fire Fighting System , SCADA, have also been considered. As the cost of land is incurred in Year 2022-23, the same will not be funded by IPO Proceeds.

03.07.04 District Regulating Station (DRS)

Following is the year-wise plan to install and commission the 3 nos. of 5000 SCM/H District Regulating Station in the Geographical Area.

The phasing of DRS is planned as follows:

S. No.	Description	Unit	Total	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep
1	DRS, 5000 SCM/hr	No.	3	1	1	0	1	0

Note: Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure.

03.07.05 Heavy Commercial Vehicle (HCV)

Expecting enhanced commercial visibility, IRMEL has planned to deliver Compressed natural gas through Heavy Commercial vehicles (HCV). 4 nos. of HCV will be brought into action in fiscal 2025 and additional 4 nos. of HCV will become part of the system in fiscal 2026.

04.00 Capital Cost Estimate

04.01 General

Capital cost (CAPEX) based on the facilities envisaged for the City Gate Stations, steel pipe line network, Compressed Natural Gas stations, District Regulating Station, Retailing Cylinder Banks, Poly Ethylene network including charges for domestic, commercial and industrial connections are estimated as **INR 3374.22 Million** (including GST) for the period from September 01 2023 to September 30 2026. Further, **INR 3072.62 Million** is for the period from December 01 2023 to September 01 2026 which shall be funded through IPO proceeds and balance **INR 301.6 Million** shall be funded through the internal accruals of IRMEL and borrowings tied up with HDFC Bank Ltd. from September 01 2023 to November 30, 2023. The summary of the total cost for the execution period of the project is provided at the end of this chapter. Further, details of reference of quotations/Purchase Order, vendor, etc is as per Annexures.

04.02 Major Facilities

Major facilities included in the capital cost estimates are given below:

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

Sl. No.	Description	Unit	Facilities
I)	Grid Line		
	4/8/12" x 6.4mm Steel Pipeline	Metre	38,600
II)	Compresses Natural Gas Compressors		
	Mother Compressors - 1800 SCMH	Nos	4
	Online Compressors - 1800 SCMH	Nos	2
	Daughter Booster Station - 350 SCMH	Nos	54
III)	Cascades		
	Cascades - 4500 WL (Water Litre)	Nos	117
	Cascades - 3000 WL (Water Litre)	Nos	58
IV)	Dispensers		
	Car Dispensers	Nos	114
	Bus dispensers	Nos	4
V)	Poly Ethylene Pipe		
	125 mm diameter	Metre	72000
	90 mm diameter	Metre	24000
	63 mm diameter	Metre	72000
	32 mm diameter	Metre	312000

Note:- Costs towards technological equipment, associated electrics, spares, erection and civil engineering works are included in the estimate. However, cost of land is incurred only in Year 2022-23, and the same will not be funded by IPO Proceeds.

Figures indicated in this report are based on the price data prevailing during the 3rd quarter of 2023 and do not include any provision for future escalation. However, additionally contingency provision has been made at 5%. Purchase orders provided by IRMEL, for already placed orders have been considered for this report. For balance heads, budgetary quotations provided by

IRMEL, as received from various vendors, have been taken in consideration to arrive at final outcome.

04.03 Assumptions

Following assumptions have been made for working out the capital costs.

04.03.01 Land and ROU (Right of Use) Compensation

As provided by IRMEL, the cost of land for City Gate Stations has been considered at a rate of INR 45.13 lakhs and INR 27.12 Lakhs respectively for both station and incurred only in Year 2022-23, and the same will not be funded from IPO Proceeds.

ROU charges have been considered @ INR 1,000/metre for the entire pipeline length of Steel Pipeline. In case of Poly Ethylene, ROU charge has been considered @ INR 500/metre for 100% length of 125mm & 90mm diameter and 50% length of 63mm diameter pipeline. RoU charges differ as per location, authority involved, and type of area from where the pipeline network is to be laid and accordingly based on general practice followed in the industry, RoU charges on rest of the length for 63 mm diameter and the entire length 32 mm diameter are not considered. The above has been reasonably considered as per industrial practices.

04.03.02 Equipment

Available Purchase orders already placed by IRMEL has been considered as the basis for major equipment such as Compressor,

Dispenser, Cascade, Steel Pipe Supply, LCNG (Liquified Compressed Natural Gas), etc. Apart from it, the costs of equipment, are based on quotations. The Company will not be purchasing any second-hand equipment.

04.03.03 Spares

No Provision for spares required has been made as the same pertains to operations and maintenance which is not considered as upfront CAPEX.

04.03.04 Civil Engineering Works

Cost estimates for civil engineering works have been worked out based on Quotations.

04.03.05 Erection

Costs to be incurred towards erection of facilities have been considered as per quotation provided by IRMEL, as received by IRMEL from various vendors.

04.03.06 Freight, Insurance, Duties and Taxes

Inland freight & transit insurance has been considered as per Purchase Order/Quotations, wherever applicable. In cases where the purchase order/quotations is silent on the Inland freight & transit insurance cost, the same is considered @ 2% for indigenous equipment. For Steel Pipe, the same has been considered as 10 %. The above has been reasonably considered as per industrial practices.

Provision for Goods & Service Tax (GST) @ 18% has been considered for supply and freight. GST @ 18% has also been considered on cost of services.

04.03.07 Engineering, Supervision and Project Management

IRMEL informed that the Engineering, Supervision and Project Management will be done inhouse and thus no provision has been made towards engineering, supervision and project management services.

04.03.08 Owner's Management Expenses

As per the requirement of IRMEL, no Provision towards owner's management expenses have been made in the capital cost for the project.

04.03.09 Connection Charges

A provision for connection charges has been made in the CAPEX for about 24,000 domestic connections, 62 commercial connections and 10 industrial connections.

04.03.10 Contingencies

A provision of 5% on project cost has been made towards contingencies to take care of the unforeseen aspects of the estimate.

04.04 Phasing of Capital Expenditure

Phasing of capital expenditure for the project of **INR 3374.22 Million** (including GST) for the period from September 01 2023 to September 30 2026 and **INR 3072.62 Million** is for the period from December 01 2023 to September 30 2026 has been worked out on the basis of implementation planning provided by IRMEL. The same is as shown year-wise below:

Year	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	Total
	Through internal accruals and bank borrowings (*)	IPO Proceedings				
Cost in INR Million	301.60	354.33	1097.53	911.93	708.83	3374.22
		3072.62				

(*) As per the CA certificate provided by IRMEL, INR 510.59 million has been incurred till August 31, 2023 from internal accruals and borrowing tied up with HDFC Bank Limited.

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

PROJECT CAPITAL COST SUMMARY							Table: 04.01 (In INR Millions)
Sl. No.	Description	Capital Expenditure					TOTAL
		FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	
A)	Facilities						
1	City Gate Station	13.66	0.00	25.45	0.00	0.00	39.12
2	CNG Stations	105.65	175.88	442.13	331.26	421.63	1476.55
3	Steel Network	1.48	50.16	147.49	190.78	50.55	440.47
4	MDPE Network	0.00	65.44	218.15	218.15	152.72	654.46
5	Others	166.45	5.71	120.94	35.44	0.00	328.53
	Sub-Total (A)	287.24	297.19	954.16	775.64	624.90	2939.13
B)	Connections						
1	Domestic	0.00	39.90	88.67	88.67	48.77	266.00
2	Commercial	0.00	0.37	0.88	1.16	0.45	2.86
3	Industrial	0.00	0.00	1.56	3.03	0.96	5.55
	Sub-Total (B)	0.00	40.27	91.10	92.86	50.18	274.41
	Sub-Total (A+B)	287.24	337.46	1045.26	868.50	675.08	3213.54
C)	Other Costs						
1	Contingencies	14.36	16.87	52.26	43.43	33.75	160.68
	Sub-Total (C)	14.36	16.87	52.26	43.43	33.75	160.68
	Grand Total	301.60	354.33	1097.53	911.93	708.83	3374.22

PROJECT CAPITAL COST (City Gate Station)							Table: 04.02 (In INR Millions)
Sl. No.	Description	Capital Expenditure					TOTAL
		FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	
A)	Land and RoU Acquisition						
1	Cost of Land	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-Total (A)	0.00	0.00	0.00	0.00	0.00	0.00
B)	City Gate Station						
1	Equipment Supply	0.48	0.00	4.23	0.00	0.00	4.71
2	Odourising Unit	0.00	0.00	5.09	0.00	0.00	5.09
3	Mechanical Erection	4.25	0.00	4.25	0.00	0.00	8.50
4	Civil	8.93	0.00	11.88	0.00	0.00	20.81
	Sub-Total (B)	13.66	0.00	25.45	0.00	0.00	39.12
	Sub-Total (A+B)	13.66	0.00	25.45	0.00	0.00	39.12
C)	Contingencies						
		0.68	0.00	1.27	0.00	0.00	1.96
	Grand Total	14.35	0.00	26.73	0.00	0.00	41.07

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

Table: 04.03
(In INR Millions)

PROJECT CAPITAL COST (Compressed Natural Gas (CNG))							
Sl. No.	Description	Capital Expenditure					TOTAL
		FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	
A)	CNG Stations						
1)	Mother Station	78.67	0.00	81.83	0.00	0.00	160.50
2)	Online Station (DODO)	0.00	0.00	0.00	45.47	45.47	90.93
3)	Daughter Booster Station (DODO)	0.00	0.00	106.24	70.83	141.65	318.72
4)	Daughter Booster Station (OMC)	26.98	175.88	254.05	214.97	234.51	906.40
	Sub-Total (A)	105.65	175.88	442.13	331.26	421.63	1476.55
B)	Contingencies	5.28	8.79	22.11	16.56	21.08	73.83
	Grand Total	110.93	184.68	464.23	347.83	442.71	1550.38

Table: 04.04
(In INR Millions)

PROJECT CAPITAL COST (Steel Network)							
Sl. No.	Description	Capital Expenditure					TOTAL
		FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	
A)	Land and RoU Acquisition						
1	RoU Acquisition	0.00	4.00	15.00	15.00	4.60	38.60
	Sub-Total (A)	0.00	4.00	15.00	15.00	4.60	38.60
B)	Steel Network						
1	Supply (Pipe)	1.48	0.00	35.22	59.61	0.00	96.31
2	Valves	0.00	2.08	0.92	1.82	0.00	4.82
3	Laying	0.00	41.04	96.00	114.00	45.84	296.88
4	GIS	0.00	3.04	0.35	0.35	0.11	3.86
	Sub-Total (B)	1.48	46.16	132.49	175.78	45.95	401.87
	Sub-Total (A+B)	1.48	50.16	147.49	190.78	50.55	440.47
C)	Contingencies	0.07	2.51	7.37	9.54	2.53	22.02
	Grand Total	1.55	52.67	154.87	200.32	53.08	462.49

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

Table: 04.05
(In INR Millions)

PROJECT CAPITAL COST (MDPE Network)		Capital Expenditure					TOTAL
Sl. No.	Description	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	TOTAL
A)	Land and RoU Acquisition						
1	RoU Acquisition	0.00	6.60	22.00	22.00	15.40	66.00
	Sub-Total (A)	0.00	6.60	22.00	22.00	15.40	66.00
B)	MDPE Network						
1	Supply (Pipe)	0.00	8.69	28.97	28.97	20.28	86.91
2	Valves	0.00	0.31	1.08	1.08	0.76	3.24
3	Laying	0.00	49.83	166.10	166.10	116.27	498.31
	Sub-Total (B)	0.00	58.84	196.15	196.15	137.32	588.46
	Sub-Total (A+B)	0.00	65.44	218.15	218.15	152.72	654.46
C)	Contingencies	0.00	3.27	10.91	10.91	7.64	32.72
	Grand Total	0.00	68.71	229.06	229.06	160.35	687.18

Table: 04.06
(In INR Millions)

PROJECT CAPITAL COST (Others)		Capital Expenditure					TOTAL
Sl. No.	Description	FY 23-24 Sep-Nov	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	TOTAL
A)	Others with Inland Frieght and GST						
1	LCNG	69.54	0.00	0.00	0.00	0.00	69.54
2	Trunk Line	91.20	0.00	91.20	0.00	0.00	182.40
3	Retal cylinder	0.00	0.00	17.35	17.35	0.00	34.69
4	DRS	5.71	5.71	0.00	5.71	0.00	17.13
5	HCV	0.00	0.00	12.39	12.39	0.00	24.78
	Sub-Total (A)	166.45	5.71	120.94	35.44	0.00	328.53
B)	Contingencies	8.32	0.29	6.05	1.77	0.00	16.43
	Grand Total	174.77	5.99	126.98	37.22	0.00	344.96

Note: Details of reference of quotations/Purchase Order, vendor, etc is as per Annexure

05.00 Statutory Approvals / Clearances

05.01 Critical Approvals

While the Company is yet to commence operations in the Namakkal and Tiruchirappalli GA, the Company has obtained the following critical approvals to commence the project and the Company will apply for the other routine approvals required as part of the project phase in the ordinary course of our operations and expansion, as and when required.

Sr. No.	Compliance	Date of Approval
1	Grant of authorisation – PNGRB	March 15, 2022
2	Land acquisition at SV-123, Vengur for setting up of City Gate Station – Office of Sub Registrar	May 11, 2022
3	Land acquisition at SV-124, Sooryur for setting up of City Gate Station – Office of Sub Registrar	July 20, 2022

05.02 Routine Approvals

The list of general statutory approvals / clearances for City Natural Gas Supply Projects are:

- Chief Controller of Explosives;
- Pollution Control Boards of concerned state;
- Ministry of Environment & Forests, Govt. of India, if required;
- Concerned Fire Departments;
- Land owning authorities for Building plan approval for construction and occupation;
- Concerned Municipal Authorities for by-laws compliance;

- NOC from other administrative and police authorities of the district.

05.03 Routine Clearances for CGS and Mother Station

Statutory and Other clearances / Approvals needed to be obtained for setting up CGS and Mother Station are as below:

Sr. No	Compliance	Authority
A During Construction Stage		
1	Consent-to-Establish (CTE)	Tamil Nadu Pollution Control Board (TNPCB)
2	Layout approval for filling and storage of CNG in cylinders at licensed premises	PESO
3	Non-Agricultural (NA) use permission	Office of District Magistrate (DM) / Collectorate
4	Building plan approval	Local Authority
5	No Objection Certificate (NOC) for setting up facility	Office of District Magistrate (DM) / Collectorate
6	Power connection approval	State Power Corporation Board
7	Provisional Fire NOC	Fire Department
B Before Operation Stage		
1	Consent-to-Operate (CTO)	TNPCB
2	Final fire NOC	Fire Department
3	Final license for filling and storage of CNG in cylinders at licensed premises	PESO
4	Access permission (particularly for facilities on SH / NH)	Ministry of Roads, Transport & Highways (MoRTH)
C Post Commissioning Stage		
1	Factory License, as applicable	State Government

05.04 Routine clearances for CNG Stations

Statutory and other clearances / Approvals needed to be obtained for setting up of a CNG/LCNG station can broadly be classified into:

- Clearances / permissions from Statutory Authorities such as Petroleum & Explosive Safety Organization (PESO)
- Clearances / permissions from any other government / local / Municipal authorities involved:

In case of the stations to be put on COCO (Company Owned & Company Operated), DODO (Dealer Owned & Dealer Operated) & Retail Outlets of Oil Marketing Companies (OMCs), the list of permissions is as follows:

Sr. No	Compliance	Authority
A	During Construction Stage	
1	Layout approval for filling and storage of CNG in cylinders at licensed premises (particularly for COCO / DODO stations)	PESO
2	Land sale deed (particularly for COCO / DODO stations)	Office of Sub Registrar
3	Non-Agricultural (NA) use permission (particularly for COCO / DODO stations)	Office of District Magistrate (DM) / Collectorate
4	No Objection Certificate (NOC) for setting up facility (particularly for COCO / DODO stations)	Office of District Magistrate (DM) / Collectorate, Office of Superintendent Local Police station, Office of Tehsildar State PWD, Gram

		Panchayat (for rural area), Town Planning, Public Health Centre
5	Forest permission (particularly for COCO / DODO stations) - In case there are trees in the plot	MoEF
6	Power connection approval (particularly for COCO / DODO stations)	State Power Corporation Board
7	Provisional Fire NOC (particularly for COCO / DODO stations)	Fire Department
B	Before Operation Stage	
1	Final license for filling and storage of CNG in cylinders at licensed premises (particularly for COCO / DODO stations)	PESO
2	Certificate for CNG flow in dispensers (particularly for COCO / DODO stations)	Weights & Measures Department
3	Access permission (particularly for facilities on SH / NH) (particularly for COCO / DODO stations)	MoRTH/NHAI
C	Post Commissioning Stage	
1	Factory License, as applicable	State Government

5.05 Routine clearances for Pipeline laying

CGD entities authorised by PNGRB are required to approach various governing bodies for grant of NOCs / approvals / permissions / clearances for laying pipeline infrastructure:

Sr. No	Authority
A	Central Government
1	Ministry of Road, Transport & Highways (MoRTH)
2	National Highways Authority of India (NHAI)
3	Water Resources Department
4	Central Public Works Department (CPWD)

5	Department of Forests & Wildlife Protection
6	Railway Zonal Office (Indian Railway)
7	Oil / Gas Cross-Country Pipeline Owners
B	State Government / Local Bodies
1	Roads & Buildings Division
2	Public Works Department
3	Irrigation Department
4	Gram Panchayat
5	Municipal Corporation
6	Urban Town Planning Department
7	Industrial Area Board
8	Residential Society
9	State Electricity Board
10	Others (As Applicable)

05.06 Other HSE Compliances

Other necessary compliances mandatorily required to be undertaken under the head of Health Safety and Environment, are as follows:

PERMISSION TYPE	DETAILS	
T4S Audit	Once in three Years	PNGRB regulation
ERDMP (Emergency Response and Disaster Management Plan)	Once in Five Years or major modification	PNGRB regulation
HAZOP (Hazard Operability) Study	Once in Five Years or If change in facility	OISD Std. 206 and PNGRB regulation
QRA (Quantitative Risk Analysis)	If change in facility	OISD Std. 206 and PNGRB regulation
Off-site Mock Drill	Once in year	PNGRB regulation
NoC of Fire service (No Objection Certificate)	Depending upon on state rules	Factory Rule

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

PERMISSION TYPE	DETAILS	
Consent to Establish (CTE)	During establishment of facility	Under Air Act 1981 and Water Act 1974
Consent to Operate (CTO)	Depending upon on state rules/categorization of industry (upto 15 years)	Under Air Act 1981 and Water Act 1974

The above is a list of statutory approvals / clearances for a typical City Gas Distribution GA. However, we understand that IRMEL has the requisite experience with their previously allotted GAs and thus will abide to all the governing laws, and will undertake all Clearances / permissions from Statutory Authorities and local governing bodies for Namakkal and Tiruchirappalli GA in Tamilnadu during execution stage and apply and adhere by stipulated conditions.

While the Company is yet to commence operations in the Namakkal and Tiruchirappalli GA, the Company has obtained the approvals such as Grant of authorisation from PNGRB, and has acquired requisite land for CGS to commence the project and the Company will apply for the other approvals required as part of the project phase in the ordinary course of operations and expansion, as and when required.

06.00 CONCLUSION

The objective of the present study is to look at various aspects for carrying out the CAPEX Expenditure Report for Namakkal & Tiruchirappalli GA, Tamil Nadu for the Execution Period.

The total cost of the capital expenditure is **INR 3374.22 Million** (including GST) for the period from September 01 2023 to September 30 2026, which will be funded by internal accruals and proceeds expected from IPO, out of which CAPEX of **INR 301.6 Million** is estimated to be incurred from September 01 2023 to November 30 2023 out of its internal accruals and borrowing tied up with HDFC Bank Limited and the remaining **INR 3072.62 Million** will be funded through the proceeds of the IPO.

Phasing of capital expenditure for the project from September 01 2023 to September 30 2026 has been worked out on the basis of implementation planning provided by IRMEL. The same is as shown year-wise below:

Year	FY 23-24 Sep-Nov 2023	FY 23-24 Dec-Mar	FY 24-25 Apr-Mar	FY 25-26 Apr-Mar	FY 26-27 Apr-Sep	Total
	Through internal accruals and bank borrowings (*)	IPO Proceeds				
Cost in INR Million	301.60	354.33	1097.53	911.93	708.83	3374.22
		3072.62				

(*) As per the CA certificate provided by IRMEL, INR 510.59 million has been incurred till August 31, 2023 from internal accruals and borrowing tied up with HDFC Bank Limited

CAPITAL EXPENDITURE REPORT FOR NAMAKKAL & TIRUCHIRAPPALLI GA, TAMILNADU

The licenses / permits / approvals / certificates needed for the execution of the capital expenditure at the various stages will be obtained by the Company as it is accustomed and has experience in the same due to its existing projects undertaken in past. Also, the reputation of the Company with various regulators is upheld by the Company due to its past execution achievement and future expansion planning.

After considering assumptions for the capital expenditure, on the basis of the estimations, analysis made and additional data provided by the Company, we are of the opinion that the capital expenditure is expected to be reasonably incurred as per the planned phasing defined in the above paragraphs.

Sl. No.	Facilities	Sep'23 to Nov'23	(Dec'23 to Mar'24)	FY 24-25	FY 25-26	FY 26-27 (Up to Sep'26)	Grand Total from Dec 23 to Sep 26 (INR millions) (Including GST) (for IPO)	Grand Total from Sep 23 to Sep 26 (INR millions) (Including GST)	Remarks
		Amount to be Incurred through IRM Internal Accruals and Bank borrowings (IINR millions) (Including GST)	Proposed Amount (INR millions) (Including GST)	Proposed Amount (INR millions) (Including GST)	Proposed Amount (INR millions) (Including GST)	Proposed Amount (INR millions) (Including GST)			
A)									
1	City Gate Station	13.66	0	25.45	0	0	25.45	39.12	Refer Annexure-1
2	CNG Stations	105.65	175.88	442.13	331.26	421.63	1370.91	1476.55	Refer Annexure-2
3	Steel network	1.48	50.16	147.49	190.78	50.55	438.99	440.47	Refer Annexure-3
4	MDPE Network	0	65.44	218.15	218.15	152.72	654.46	654.46	Refer Annexure-4
5	Others	166.45	5.71	120.94	35.44	0.00	162.09	328.53	Refer Annexure-5
	Sub-Total-A	287.24	297.19	954.16	775.64	624.90	2651.89	2939.13	
B)	Connections								
1	Domestic	0	39.90	88.67	88.67	48.77	266.00	266.00	Refer Annexure-B
2	Commercial	0	0.37	0.88	1.16	0.45	2.86	2.86	
3	Industrial	0	0	1.56	3.03	0.96	5.55	5.55	
	Sub-Total-B	0	40.27	91.10	92.86	50.18	274.41	274.41	
	Sub-Total (A+B)	287.24	337.46	1045.26	868.50	675.08	2926.30	3213.54	
C)	Other Costs								
1	Contingencies	14.36	16.87	52.26	43.43	33.75	146.32	160.68	
	Sub-Total-C	14.36	16.87	52.26	43.43	33.75	146.32	160.68	
	Grand Total	301.60	354.33	1097.53	911.93	708.83	3072.62	3374.22	

Annexure 2													
Sl.No	Reference Table from Main Report	Description	Balance Sep'23 to Nov'23		FY 23-24 (Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (Till Sep'26)		Grand Total (Rs. millions) (including GST)
			Quantity to be procured	Amount (INR millions) to be incurred through IRM Internal Accruals and bank borrowings	Qty	Amount (INR millions) (including GST)	Qty	Amount (INR millions) (including GST)	Qty	Amount (INR millions) (including GST)	Qty	Amount (INR millions) (including GST)	
1	4.03-A1	Mother Station	1	78.67	0	0	1	81.83	0	0	0	0	160.50
1		Online Compressors		33.81		0		33.81		0		0	67.61
2		Car Dispensers		0		0		2.73		0		0	2.73
3		Bus Dispensers		1.15		0		1.15		0		0	2.31
4		3000WL Cascade		2.06		0		2.06		0		0	4.12
5		Electrical Works		8.11		0		8.11		0		0	16.21
6		Tubing Works		2.80		0		3.23		0		0	6.03
7		Civil Works		25.11		0		25.11		0		0	50.22
8		Miscellaneous		5.63		0		5.63		0		0	11.27
		Sub Total A		78.67		0		81.83		0		0	160.50
2	4.03-A2	Online DODO Station	0	0	0	0	0	0	1	45.47	1	45.47	90.93
1		Online Compressors		0		0		0		16.90		16.90	33.81
2		Car Dispensers		0		0		0		2.73		2.73	5.45
3		Bus Dispensers		0		0		0		1.15		1.15	2.31
4		3000WL Cascade		0		0		0		2.06		2.06	4.12
5		Electrical Works		0		0		0		4.57		4.57	9.13
6		Tubing Works		0		0		0		1.53		1.53	3.07
7		Civil Works		0		0		0		11.80		11.80	23.60
8		Miscellaneous		0		0		0		4.72		4.72	9.45
		Sub Total B		0		0		0		45.47		45.47	90.93
3	4.03-A3	DBS DODO Station		0		0	3	106.24	2	70.83	4	141.65	318.72
1		Booster Compressors		0		0		17.06		11.38		22.75	51.19
2		Car Dispensers		0		0		8.18		5.45		10.90	24.53
3		4500WL Cascade		0		0		17.40		11.60		23.21	52.21
4		3000WL Cascade		0		0		6.17		4.12		8.23	18.52
5		Electrical Works		0		0		4.60		3.07		6.14	13.81
6		Tubing Works		0		0		3.89		2.60		5.19	11.68
7		Civil Works		0		0		35.40		23.60		47.20	106.20
8		Miscellaneous		0		0		13.53		9.02		18.04	40.58
		Sub Total C		0		0		106.24		70.83		141.65	318.72
4	4.03-A4	DBS OMC Station	7	26.98	9	175.88	13	254.05	11	214.97	12	234.51	906.40
1		Booster Compressors		0		51.19		73.94		62.56		68.25	255.94
2		Car Dispensers		0		24.53		35.44		29.98		32.71	122.66
3		4500WL Cascade		26.11		52.21		75.42		63.81		69.62	287.17
4		3000WL Cascade		0		18.52		26.76		22.64		24.70	92.62
5		Electrical Works		0		13.81		19.94		16.87		18.41	69.03
6		Tubing Works		0		11.68		16.87		14.28		15.58	58.41
7		Miscellaneous		0.87		3.94		5.69		4.82		5.25	20.57
		Sub Total D		26.98		175.88		254.05		214.97		234.51	906.40
		Sub Total (1+2+3+4)		105.65		175.88		442.13		331.26		421.63	1476.55
5	4.03-B	Contingency		5.28		8.79		22.11		16.56		21.08	73.83
		Grand Total		110.93		184.68		464.23		347.83		442.71	1550.38

S.NO	Description	Basic Rate (INR Million)	Freight(Rs) (INR Million)	GST(Rs) (INR Million)	Landed Unit Rate (incl Taxes) (INR Million)	Unit of Measurement	Mother Station-4.03-A1	Online Station-4.03-A2	DB DODO Station-4.03-A3	DB OMC Station-4.03-A4	Reference PO/ Quotation Detail			
											Reference No.	Validity	Extended Validity	Vendor Name
1	Online Compressor	14.33	0.00	2.58	16.90	Nos	4	2	0	0	PK/CPS/IRM/1700/201022 dated 20.10.2022	31.03.2024		Chicago Pneumatic
2	Booster Compressor	4.82	0.00	0.87	5.69	Nos	0	0	9	52	GASCOMP/IRM/021222 dated 02.12.2022	31.03.2023	GASCOMP/IRM/032023 dated 13.03.2023 with validity 31.03.2024	Gascomp Fueltech (India) Pvt.Ltd
3	Stationary Cascade (3000WL)	1.71	0.03	0.31	2.06	Nos	2	2	9	52	RCPL/RVT/MT/8280/22-23 dated 02.12.2022 & ST/IRM/22-23/DEC/014 dated 01.12.2022	31.03.2023 & 31.03.2024	RCPL/RVT/MT/8689/22-23 dated 04.03.2023 with validity 31.03.2024	Rama Cylinders Pvt.Ltd & Shivam Trans Solutions
4	Mobile Cascade (4500 WL)	2.41	0.05	0.44	2.90	Nos	0	0	18	104				
5	Car Dispenser	1.16	0.00	0.21	1.36	Nos	4	4	18	104	Mail from Parker Hannifin Dated 01.09.2023	31.03.2024		Parker Hannifin
6	Bus Dispenser	0.98	0.00	0.18	1.15	Nos	2	2	0	0				
7	Electrical Equipment and Services													
	Mother	2.50	0.00	0.45	2.95	Lumpsum	2	0	0	0				
	Online	2.00	0.00	0.36	2.36	Lumpsum	0	2	0	0				
	DBS	1.30	0.00	0.23	1.53	Lumpsum	0	0	9	52	VE/2022-23/IRM/OFFER 02 dated 01.12.2022	31.03.2024		Vishwa Enterprise
8	Diesel Generator	2.50	0.00	0.45	2.95	Nos	2	0	0	0				
9	Transformer	1.87	0.00	0.34	2.21	Nos	2	2	0	0				
10	SCADA works													
	Mother	0.93	0.00	0.17	1.09	Nos	2	0	0	0				
	Online	0.30	0.00	0.05	0.35	Nos	0	2	0	0	SSA/PRI/22-23/078/R0 dated 20.10.2022	31.03.2024		Shree Sai Automation
	DBS	0.25	0.00	0.05	0.30	Nos	0	0	9	52				
11	SS Tubing Supply and Installation													
	Mother	2.00	0.00	0.36	2.36	Lumpsum	2	0	0	0				
	Online	1.30	0.00	0.23	1.53	Lumpsum	0	2	0	0				
	DBS	1.10	0.00	0.20	1.30	Lumpsum	0	0	9	52	SEC-22-23-1111 dated 02.12.2022	31.03.2024		Shah Engineers and Consultants
12	Architectural and Designing Works													
	Mother	0.37	0.00	0.07	0.43	Nos	2	0	0	0				
	Online	0.34	0.00	0.06	0.40	Nos	0	2	0	0	AUC/2022-23/QU/001 dated 10.11.2022	31.03.2024		Auctors
	DBS	0.21	0.00	0.04	0.25	Nos	0	0	9	0				
13	Massflow Meters	0.19	0.00	0.03	0.22	Nos	8	0	0	0	SE/IRM/0559 dated 02.12.2022	02.01.2023	01.03.2024	Shreepad Engitech
14	Canopy	2.20	0.00	0.40	2.60	Nos	2	2	9	0				
15	Monolith	0.20	0.00	0.04	0.24	Nos	2	2	9	0	SA/033/IRM /22-23 dated 01.12.2022	31.03.2023	SA/033/IRM /22-23 dated 12.03.2023 with validity 31.03.2024	Shubhra Airtech
16	Highmast	0.35	0.00	0.06	0.41	Nos	2	2	9	0				
17	Hoarding	0.23	0.00	0.04	0.27	Nos	2	2	9	0	"IRAPL-HM-GUJ-2023-24/225" dated 18.10.2022		31.03.2024	Instruments Research Associates Pvt.Ltd
18	Tyre Inflater	0.04	0.00	0.01	0.04	Nos	2	2	9	0	MK/2020/2711/R1 dated 10.11.2022	31.03.2024		MK Soil Testing Laboratory Pvt.Ltd
19	Soil Testing and Topo Survey	0.23	0.00	0.04	0.27	Nos	2	2	9	0				
20	Civil Works													
	Mother	21.28	0.00	3.83	25.11	Lumpsum	2	0	0	0	AEET/2022/235 dated 18.10.2022	17.10.2024		Asbri Energy & Enviro Technologies Pvt.Ltd
	Online & DBS	10.00	0.00	1.80	11.80	Lumpsum	0	2	9	0	AEET/2022/238 dated 23.10.2022	22.10.2024		
21	Signage boards and Stickers													
	Mother	0.16	0.00	0.03	0.19	Lumpsum	2	0	0	0				
	Online	0.08	0.00	0.01	0.09	Lumpsum	0	2	0	0	NNA/IRM/T&N/202 dated 01.12.2022	31.03.2024		New Nirmal Art
	DBS	0.08	0.00	0.01	0.09	Lumpsum	0	0	9	52				
22	Fire Extinguishers													
	Mother	0.08	0.00	0.01	0.10	Lumpsum	2	0	0	0				
	Online	0.04	0.00	0.01	0.05	Lumpsum	0	2	0	0	QU/IRM/22-23/01 dated 01.12.2022	31.03.2024		Ambica Trading Corporation
	DBS	0.04	0.00	0.01	0.05	Lumpsum	0	0	9	52				

Mother Station Costing-4.03-A1														
Sl.no	Equipment	Unit Rate, INR Millions (Exclusive of GST)	Quantities per station	No of Stations	FY 23-24 (Expenses to be incurred between Sep'23 to Nov'23 by IRM internal accruals and bank borrowings) (INR Million) (Including GST)		FY 23-24 (From Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (upto Sep'27)	
							Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)
					1		0		1		0		0	
					UOM	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities
1	Online Compressor	14.33	2	Nos	2	33.81	0	0	2	33.81	0	0	0	0
2	Stationary Cascade (3000WL)	1.74	1	Nos	1	2.06	0	0	1	2.06	0	0	0	0
3	Car Dispenser	1.16	2	Nos	0	0	0	0	2	2.73	0	0	0	0
4	Bus Dispenser	0.98	1	Nos	1	1.15	0	0	1	1.15	0	0	0	0
5	Electrical Equipment and Services													
	Mother	2.50	1	Lumpsum	1	2.95	0	0	1	2.95	0	0	0	0
6	SCADA works													
	Mother	0.93	1	Nos	1	1.09	0	0	1	1.09	0	0	0	0
7	SS Tubing Supply and Installation													
	Mother	2.00	1	Lumpsum	1	2.36	0	0	1	2.36	0	0	0	0
8	Architectural and Designing Works													
	Mother	0.37	1	Nos	1	0.43	0	0	1	0.43	0	0	0	0
9	Massflow Meters	0.19	4	Nos	2	0.44	0	0	4	0.87	0	0	0	0
10	PESO Permission	0.10	0	Nos	0	0.00	0	0	0	0.00	0	0	0	0
11	Canopy	2.20	1	Nos	1	2.60	0	0	1	2.60	0	0	0	0
12	Monolith	0.20	1	Nos	1	0.24	0	0	1	0.24	0	0	0	0
13	Highmast	0.35	1	Nos	1	0.41	0	0	1	0.41	0	0	0	0
14	Hoarding	0.23	1	Nos	1	0.27	0	0	1	0.27	0	0	0	0
15	Tyre Inflator	0.04	1	Nos	1	0.04	0	0	1	0.04	0	0	0	0
17	Soil Testing and Topo Survey	0.23	1	Nos	1	0.27	0	0	1	0.27	0	0	0	0
18	Diesel Generator	2.50	1	Nos	1	2.95	0	0	1	2.95	0	0	0	0
19	Transformer	1.87	1	Nos	1	2.21	0	0	1	2.21	0	0	0	0
20	Civil Works (LCNG/Mother)	21.28	1	Lumpsum	1	25.11	0	0	1	25.11	0	0	0	0
21	Signage boards and Stickers	0.16	1	Lumpsum	1	0.19	0	0	1	0.19	0	0	0	0
22	Fire Extinguishers	0.08	1	Lumpsum	1	0.10	0	0	1	0.10	0	0	0	0
23	Statutory Permissions (NA & DM NOC)	3.00	0	Lumpsum	0	0.00	0	0	0	0.00	0	0	0	0
Total Cost (with GST)					78.67		0.00		81.83		0.00		0.00	

Online DODO Costing-4.03-A2															
Sl.no	Equipment	Unit Rate INR Millions (Exclusive of GST)	Quantities per station	No of Stations	FY 23-24 (Expenses to be incurred between Sep'23 to Nov'23 by IRM internal accruals and bank borrowings) (INR Million) (Including GST)		FY 23-24 (From Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (upto Sep'27)		
					UOM	0		0		0		1		1	
						Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost
1	Online Compressor	14.33	1	Nos	0	0	0	0	0	0	1	16.90	1	16.90	
2	Stationary Cascade (3000WL)	1.74	1	Nos	0	0	0	0	0	0	1	2.06	1	2.06	
3	Car Dispenser	1.16	2	Nos	0	0	0	0	0	0	2	2.73	2	2.73	
4	Bus Dispenser	0.98	1	Nos	0	0	0	0	0	0	1	1.15	1	1.15	
5	Electrical Equipment and Services														
	Online	2.00	1	Lumpsum	0	0	0	0	0	0	1	2.36	1	2.36	
6	SCADA works	0.00			0	0									
	Online	0.30	1	Nos	0	0	0	0	0	0	1	0.35	1	0.35	
7	SS Tubing Supply and Installation														
	Online	1.30	1	Lumpsum	0	0	0	0	0	0	1	1.53	1	1.53	
8	Architectural and Designing Works														
	Online	0.34	1	Nos	0	0	0	0	0	0	1	0.40	1	0.40	
9	PESO Permission	0.10	0	Nos	0	0	0	0	0	0	0	0.00	0	0.00	
10	NHAI Permission	0.31	0	Nos	0	0	0	0	0	0	0	0.00	0	0.00	
11	Canopy	2.20	1	Nos	0	0	0	0	0	0	1	2.60	1	2.60	
12	Monolith	0.20	1	Nos	0	0	0	0	0	0	1	0.24	1	0.24	
13	Highmast	0.35	1	Nos	0	0	0	0	0	0	1	0.41	1	0.41	
14	Hoarding	0.23	1	Nos	0	0	0	0	0	0	1	0.27	1	0.27	
15	Tyre Inflator	0.04	1	Nos	0	0	0	0	0	0	1	0.04	1	0.04	
17	Soil Testing and Topo Survey	0.23	1	Nos	0	0	0	0	0	0	1	0.27	1	0.27	
18	Transformer	1.87	1	Nos	0	0	0	0	0	0	1	2.21	1	2.21	
19	Civil Works (DODO-Online and DBS)	10.00	1	Nos	0	0	0	0	0	0	1	11.80	1	11.80	
20	Signage boards and Stickers	0.08	1	Nos	0	0	0	0	0	0	1	0.09	1	0.09	
21	Fire Extinguishers	0.04	1	Nos	0	0	0	0	0	0	1	0.05	1	0.05	
Total Cost (with GST)					0.00		0.00		0.00		45.47		45.47		

DBS DODO Costing-4.03-A3														
Sl.no	Equipment	Unit Rate INR Millions (Exclusive of GST)	Quantities per station	No of Stations	FY 23-24 (Expenses to be incurred between Sep'23 to Nov'23 by IRM internal accruals and bank borrowings) (INR Million) (Including GST)		FY 23-24 (From Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (upto Sep'27)	
					Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)
UOM		Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	
1	Booster Compressor	4.82	1	Nos	0	0	0	0	3.00	17.06	2.00	11.38	4	22.75
2	Stationary Cascade (3000WL)	1.74	1	Nos	0	0	0	0	3.00	6.17	2.00	4.12	4	8.23
3	Mobile Cascade (4500 WL)	2.46	2	Nos	0	0	0	0	6.00	17.40	4.00	11.60	8	23.21
4	Car Dispenser	1.16	2	Nos	0	0	0	0	6.00	8.18	4.00	5.45	8	10.90
5	Electrical Equipment and Services													
	DBS	1.30	1	Lumpsum	0	0	0	0	3.00	4.60	2.00	3.07	4	6.14
6	SCADA works	0.00			0	0								
	DBS	0.25	1	Nos	0	0	0	0	3.00	0.89	2.00	0.59	4	1.18
7	SS Tubing Supply and Installation													
	DBS	1.10	1	Lumpsum	0	0	0	0	3.00	3.89	2.00	2.60	4	5.19
8	Architectural and Designing Works													
	DBS	0.21	1	Nos	0	0	0	0	3.00	0.74	2.00	0.50	4	0.99
9	PESO Permission	0.10	0	Nos	0	0	0	0	0.00	0.00	0.00	0.00	0	0.00
10	NHAI Permission	0.31	0	Nos	0	0	0	0	0.00	0.00	0.00	0.00	0	0.00
11	Canopy	2.20	1	Nos	0	0	0	0	3.00	7.79	2.00	5.19	4	10.38
12	Monolith	0.20	1	Nos	0	0	0	0	3.00	0.71	2.00	0.47	4	0.94
13	Highmast	0.35	1	Nos	0	0	0	0	3.00	1.24	2.00	0.83	4	1.65
14	Hoarding	0.23	1	Nos	0	0	0	0	3.00	0.80	2.00	0.53	4	1.06
15	Tyre Inflater	0.04	1	Nos	0	0	0	0	3.00	0.12	2.00	0.08	4	0.17
17	Soil Testing and Topo Survey	0.23	1	Nos	0	0	0	0	3.00	0.81	2.00	0.54	4	1.09
18	Civil Works (DODO-Online and DBS)	10.00	1	Lumpsum	0	0	0	0	3.00	35.40	2.00	23.60	4	47.20
19	Signage boards and Stickers	0.08	1	Nos	0	0	0	0	3.00	0.28	2.00	0.19	4	0.38
20	Fire Extinguishers	0.04	1	Nos	0	0	0	0	3.00	0.15	2.00	0.10	4	0.19
Total Cost (with GST)					0.00		0.00		106.24		70.83		141.65	

DBS OMC Costing-4.03-A4														
Sl.no	Equipment	Unit Rate INR Millions (Exclusive of GST)	Quantities per station	No of Stations	FY 23-24 (Expenses to be incurred between Sep'23 to Nov'23 by IRM internal accruals and bank borrowings) (INR Million) (Including GST)		FY 23-24 (From Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (upto Sep'27)	
					7		9		13		11		12	
					Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost	Quantities	Total Cost
					UOM									
1	Booster Compressor	4.82	1	Nos	0	0.00	9	51.19	13	73.94	11	62.56	12	68.25
2	Stationary Cascade (3000WL)	1.74	1	Nos	0	0.00	9	18.52	13	26.76	11	22.64	12	24.70
3	Mobile Cascade (4500 WL)	2.46	2	Nos	9	26.11	18	52.21	26	75.42	22	63.81	24	69.62
4	Car Dispenser	1.16	2	Nos	0	0.00	18	24.53	26	35.44	22	29.98	24	32.71
5	Electrical Equipment and Services													
	DBS	1.30	1	lumpsum	0	0	9	13.81	13	19.94	11	16.87	12	18.41
6	SCADA works													
	DBS	0.25	1	Nos	2	0.59	9	2.66	13	3.84	11	3.25	12	3.54
7	SS Tubing Supply and Installation													
	DBS	1.10	1	lumpsum	0	0.00	9	11.68	13	16.87	11	14.28	12	15.58
8	Signage boards and Stickers	0.08	1	Nos	3	0.28	9	0.85	13	1.23	11	1.04	12	1.13
9	Fire Extinguishers	0.04	1	Nos	0	0.00	9	0.44	13	0.63	11	0.53	12	0.58
Total Cost (with GST)					26.98		175.88		254.05		214.97		234.51	

Annexure-3

S.NO	Reference Table from main Report	Description	Basic rate (INR millions)	Freight (inclusive of P&f) (INR millions)	GST (As Applicable) (INR millions)	Landed Rate in INR millions (Inc. GST)	UOM	Balance Sep'23 to Nov'23		FY 23-24 (From Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (upto Sep'26)		Grand Total (INR millions) (including GST)	Vendor Name	Reference PO/Quotation	Validity of Quotation	
								Quantity to be procured	Amount (INR millions) to be incurred through IRM Internal Accruals and book	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)					
A)		Land and ROU Acquisition																			Not Applicable	Not Applicable
1	4.04-A1	ROU Acquisition	0.001	0.00	0.00	0.001	M	0	0	4000	4.00	15000	15.00	15000	15.00	4600	4.60	38.60				
		Sub-Total (A)							0		4.00		15.00		15.00		4.60	38.60				
B)		Steel Network																				
1		Supply (Pipe)																				
i)	4.04-B1	12"	0.00604	0.0008	0.0012	0.0078	M	111.90	0.88	0	0	0	0	0	0	0	0	0.88	Surya Roshni Limited	IRMEPL/PROJ/PO/22-23/STEELPIPES/N&T/	Not Applicable, single time purchase and 31-03-2024	
ii)	4.04-B1	8"	0.00414	0.0005	0.0008	0.0054	M	58.72	0.32	0	0	6500	34.93	10000	53.74	0	0	88.98	Surya Roshni Limited	SURYA/003 Dated 13-04-2022 and		
iii)	4.04-B1	4"	0.00226	0.0003	0.0005	0.0029	M	98.28	0.29	0	0	100	0.29	2000	5.87	0	0	6.45	Surya Roshni Limited	SRL/ERW/Q/IRM/0789 Dated 30-03-2023		
		Sub-Total (1)							1.48		0.00		35.22		59.61		0.00	96.31				
2		Sectionalizing Valve																				
i)	4.04-B2	12" 12" NB x 300# Ball Valve (Full Bore, Trunnion type, Gear Operated, Above Ground, Normal Stem with ANSI Rating #300, Butt Welded Ends Body - ASTM A216 Gr.WCB, Ball - ASTM A216 Gr.WCB)	0.395	0.00	0.071	0.466	EA	0	0	3	1.40	0	0	2	0.93	0	0	2.33	Flowchem Industries	IRMEL/PROJ/PO/22-23/VALVES/FLOWCHEM/754 Dated 26.08.2022 and FC/I-43/22-23/0001 Dated 15-10-2022	31-03-2024	
ii)	4.04-B2	8" 8" NB x 300# Ball Valve (Full Bore, Trunnion type, Gear Operated, Above Ground, Normal Stem with ANSI Rating #300, Butt Welded Ends Body - ASTM A216 Gr.WCB, Ball - ASTM A216 Gr.WCB)	0.178	0.00	0.032	0.210	EA	0	0	2	0.42	3	0.63	3	0.63	0	0	1.68	Flowchem Industries			
iii)	4.04-B2	4" 4" NB x 300# Ball Valve (Full Bore, Trunnion type, Gear Operated, Above Ground, Normal Stem with ANSI Rating #300, Butt Welded Ends Body - ASTM A216 Gr.WCB, Ball - ASTM A216 Gr.WCB)	0.050	0.00	0.009	0.059	EA	0	0	1	0.06	2	0.12	1	0.06	0	0	0.24	Flowchem Industries			
iv)	4.04-B2	2" 2" NB x 300# Ball Valve (Full Bore, Floater type, Above Ground, Normal Stem with ANSI Rating #300, Butt Welded Ends Body - ASTM A216 Gr.WCB, Ball - ASTM A216 WCB + 70 mic Enp	0.014	0.00	0.003	0.017	EA	0	0	12	0.20	10	0.17	12	0.20	0	0	0.57	Flowchem Industries	IRMEL/PROJ/PO/22-23/VALVES/FLOWCHEM/754-01 Dated 31.03.2023	31-03-2024	
		Sub-Total (2)							0.00		2.08		0.92		1.82		0.00	4.82				
3		Laying																				
i)	4.04-B3	12"	0.00915	0	0.0016	0.0108	M	0	0	3400	36.72	0	0	3000	32.40	3600	38.88	108.00	Aneri Construction Pvt. Ltd.	ACPL/IRM/RFQ-09 Dated 10-10-2022	31-03-2025	
ii)	4.04-B3	8"	0.00610	0	0.0011	0.0072	M	0	0	600	4.32	10000	72.00	10000	72.00	900	6.48	154.80	Aneri Construction Pvt. Ltd.			
iii)	4.04-B3	4"	0.00407	0	0.0007	0.0048	M	0	0	0	0	5000	24.00	2000	9.60	100	0.48	34.08	Aneri Construction Pvt. Ltd.			
		Sub-Total (3)							0.00		41.04		96.00		114.00		45.84	296.88				
4	4.04-B4	GIS (in INR)	2.00	0.00	0.36	2.36	M	0	0	4000	3.04	15000	0.35	15000	0.35	4600	0.11	3.86	Science and Technology Park	STP/IRM-2023/127-A Dated 11.09.2023	10-09-2024	
		Sub-Total (4)							0.00		3.04		0.35		0.35		0.11	3.86				
		Sub-Total B (B=1+2+3+4)							1.48		46.16		132.49		175.78		45.95	401.87				
		Sub-Total (A+B)							1.48		50.16		147.49		190.78		50.55	440.47				
C)	4.04-C	Contingencies							0.07		2.51		7.37		9.54		2.53	22.02				
		Grand Total							1.55		52.67		154.87		200.32		53.08	462.49				

Annexure-4

S.NO	Reference Table from Main Report	Description	Basic rate (INR millions)	Freight (inclusive of P&F) (INR millions)	GST (As Applicable) INR millions)	Landed Rate in INR millions (Inc. GST)	UOM	Balance Sep'23 to Nov'23		FY 23-24 (From Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (upto Sep'26)		Grand Total (INR millions) (including GST)	Vendor Name	Reference PO/Quotation	Validity of Quotation	
								Quantity to be procured	Amount (INR millions) to be Incurred through IRM Internal Accruals and bank borrowings	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)					
A)		Land and ROU Acquisition																				
1		ROU Acquisition																				
	4.05-A1	125 MM	0.0005	0	0	0.0005	M	0	0	7200	3.60	24000	12.00	24000	12.00	16800	8.40	36.00				
	4.05-A1	90 MM	0.0005	0	0	0.0005	M	0	0	2400	1.20	8000	4.00	8000	4.00	5600	2.80	12.00		Not Applicable	Not Applicable	
	4.05-A1	63 MM	0.0005	0	0	0.0005	M	0	0	3600	1.80	12000	6.00	12000	6.00	8400	4.20	18.00				
		Sub-Total (A)						0.00	0.00		6.60		22.00		22.00		15.40	66.00				
B)		MDPE Network																				
1		Supply (Pipe)																				
	4.05-B1	125 MM	0.00049	0.00	0.00009	0.00058	M	0	0	7200	4.16	24000	13.88	24000	13.88	16800	9.71	41.63		Venuka Polymers Pvt. Ltd.	VPPL/22-23/OCT/044 Dated 10-10-2022	09-10-2025
	4.05-B1	90 MM	0.00030	0.00	0.00005	0.00036	M	0	0	2400	0.85	8000	2.84	8000	2.84	5600	1.99	8.52				
	4.05-B1	63 MM	0.00020	0.00	0.00004	0.00024	M	0	0	7200	1.72	24000	5.75	24000	5.75	16800	4.02	17.25				
	4.05-B1	32 MM	0.00005	0.00	0.00001	0.00006	M	0	0	31200	1.95	104000	6.50	104000	6.50	72800	4.55	19.51				
		Sub-Total (1)						0.00	8.69		28.97		28.97		20.28		86.91					
2		Valves																				
	4.05-B2	125 MM	0.0100	0.0002	0.0018	0.0120	EA	0	0	7	0.08	24	0.29	24	0.29	17	0.20	0.87		Kimplas Piping Systems Private Limited	Gas-2023-19 Rev-00 Dated 01-03-2023	31.03.2024
	4.05-B2	90 MM	0.0090	0.0002	0.0017	0.0108	EA	0	0	2	0.02	8	0.09	8	0.09	6	0.06	0.26				
	4.05-B2	63 MM	0.0070	0.0001	0.0013	0.0084	EA	0	0	7	0.06	24	0.20	24	0.20	17	0.14	0.61				
	4.05-B2	32 MM	0.0040	0.0001	0.0007	0.0048	EA	0	0	31	0.15	104	0.50	104	0.50	73	0.35	1.50				
		Sub-Total (2)						0.00	0.31		1.08		1.08		0.76		3.24					
3	4.05-B3	Warning Mat	0.00005	0.000001	0.000009	0.00006	M		0	48000	2.89	160000	9.63	160000	9.63	112000	6.74	28.89		MME Infracon Pvt. Ltd.	RFQ/22-23/CGD/IRM/SI /Sep-01 Dated 15.09.2022	01-03-2026
		Sub-Total (3)						0.00	2.89		9.63		9.63		6.74		28.89					
4		Fittings/Consumables																				
	4.05-B3	125 MM	0.00007	0.0000015	0.0000134	0.000088	M	0	0	7200	0.63	24000	2.11	24000	2.11	16800	1.48	6.33		MME Infracon Pvt. Ltd.	RFQ/22-23/CGD/IRM/SI /Sep-01 Dated 15.09.2022	01-03-2026
	4.05-B3	90 MM	0.00005	0.0000009	0.0000083	0.000054	M	0	0	2400	0.13	8000	0.43	8000	0.43	5600	0.30	1.30				
	4.05-B3	63 MM	0.00003	0.0000006	0.0000055	0.000036	M	0	0	7200	0.26	24000	0.87	24000	0.87	16800	0.61	2.60				
	4.05-B3	32 MM	0.00001	0.0000002	0.0000015	0.000010	M	0	0	31200	0.30	104000	1.00	104000	1.00	72800	0.70	3.00				
		Sub-Total (4)						0.00	1.32		4.41		4.41		4.41		3.09	13.23				
5		Laying																				
	4.05-B3	125 MM	0.0011	0	0.00019	0.00124	M	0	0	7200	8.92	24000	29.74	24000	29.74	16800	20.82	89.21		MME Infracon Pvt. Ltd.	RFQ/22-23/CGD/IRM/SI /Sep-01 Dated 15.09.2022	01-03-2026
	4.05-B3	90 MM	0.0008	0	0.00015	0.00097	M	0	0	2400	2.32	8000	7.74	8000	7.74	5600	5.42	23.22				
	4.05-B3	63 MM	0.0007	0	0.00013	0.00084	M	0	0	7200	6.03	24000	20.11	24000	20.11	16800	14.08	60.32				
	4.05-B3	32 MM	0.0008	0	0.00014	0.00090	M	0	0	31200	27.98	104000	93.27	104000	93.27	72800	65.29	279.80				
		Sub-Total (5)						0.00	45.26		150.85		150.85		105.60		452.55					
6)		Crossing with HDPE																				
	4.05-B3	125 MM	0.0005	0.000010	0.00009	0.00059	M	0	0	360	0.21	1200	0.71	1200	0.71	840	0.50	2.12		MME Infracon Pvt. Ltd.	RFQ/22-23/CGD/IRM/SI /Sep-01 Dated 15.09.2022	01-03-2026
	4.05-B3	90 MM	0.0003	0.000006	0.00006	0.00036	M	0	0	120	0.04	400	0.14	400	0.14	280	0.10	0.43				
	4.05-B3	63 MM	0.0002	0.000004	0.00004	0.00024	M	0	0	360	0.09	1200	0.29	1200	0.29	840	0.21	0.88				
	4.05-B3	32 MM	0.0001	0.000001	0.00001	0.00006	M	0	0	312	0.02	1040	0.07	1040	0.07	728	0.05	0.20				
		Sub-Total (6)						0.00	0.36		1.21		1.21		0.85		3.64					
		Sub-Total (Laying Cost=3+4+5+6)						0.00	49.83		166.10		166.10		116.27		498.31					
		Sub Total (B)						0.00	58.84		196.15		196.15		137.32		588.46					
		Sub-Total (A+B)						0.00	65.44		218.15		218.15		152.72		654.46					
C)	4.05-C	Contingencies							0.00		3.27		10.91		10.91		7.64	32.72				
		Grand Total (C+D)						0.00	68.71		229.06		229.06		160.35		687.18					

Annexure 5

S.NO	Reference Table from main Report	Description	Basic rate (INR millions)	Freight (inclusive of P&F) (INR millions)	GST (As Applicable) (INR millions)	Landed Rate in INR millions (Inc. GST)	UOM	Balance Sep'23 to Nov'23		FY 23-24 (From Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (upto Sep'26)		Grand Total (INR millions) (including GST)	Reference PO/Quotation	Validity of Quotation	Vendor name	
								Quantity to be procured	Amount (INR millions) to be incurred through IBM Internal Accruals and Bank Borrowings	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)	Quantity	Amount (INR millions) (including GST)					
A)		Land and ROU Acquisition																				
1	4.06-A1	Cost of Land for LCNG	0.00	0.00	0.00	0.00	EA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00				
		Sub-Total (A)							0.00		0.00		0.00		0.00		0.00	0.00				
B)		Miscellaneous with Inland Freight and GST																				
1		LCNG																				
i)	4.06-B1	LCNG Station Equipments	71.00	0.00	12.78	83.78	Lumpsum	0.08	7.07	0	0	0	0	0	0	0	0	7.07	IRMEL/PROJ/PO/22-23/N&T/LCNG/INOX/012-DATED 27.09.2022	-	INOX India Limited	
ii)	4.06-B1	LNG Transport Tankers	9.75	0.00	1.76	11.51	Nos	0	0	0	0	0	0	0	0	0	0	0.00	IRMEL/PROJ/PO/22-23/N&T/LCNG/INOX/012-DATED 27.09.2022	-	INOX India Limited	
iii)	4.06-B1	3000WL Cascade	1.71	0.03	0.31	2.06	Nos	0	0	0	0	0	0	0	0	0	0	0.00	RCPL/RYT/MT/8689/22-23 dated 04.03.2023	31.03.2024	Rama Cylinders and Shivam Transolutions	
iv)	4.06-B1	Car Dispensers	1.16	0.00	0.21	1.36	Nos	0	0	0	0	0	0	0	0	0	0	0.00	Mail from Parker Hannifin dated 05.12.2022	04.12.2023	Parker hannifin	
v)	4.06-B1	Bus Dispensers	0.98	0.00	0.18	1.15	Nos	1	1.15	0	0	0	0	0	0	0	0	1.15	VE/2022-23/IRM/OFFER 02 dated 01.12.2022	31.03.2024	Vishwa Enterprise	
vi)	4.06-B1	Electrical Works	5.00	0.00	0.90	5.90	Lumpsum	1	5.90	0	0	0	0	0	0	0	0	5.90	SEC-22-23-1111 dated 02.12.2022 & SE/IRM/0559 dated 02.12.2022	31.03.2024 & 01.03.2024	Shah Enterprise and Shreepad Engitech	
vii)	4.06-B1	Tubing Works	2.74	0.00	0.49	3.23	Lumpsum	1	2.58	0	0	0	0	0	0	0	0	2.58	EET/2022/236 dated 18.10.2022	17.10.2024	Asbri Energy & Enviro Technologies Pvt.Ltd	
viii)	4.06-B1	Civil Works	40.00	0.00	7.20	47.20	Lumpsum	1	47.20	0	0	0	0	0	0	0	0	47.20	1) SSA/PRJ/22-23/078/R0 dated 20.10.2022 2) AUC/2022-23/QU/001 dated 10.11.2022 3) SA/033/IRM/22-23 dated 12.03.2023 4)IRAPL-HM-GUJ-2022-23/225 dated 18.10.2022 5) MK/2020/2711/R1 dated 10.11.2022 6) NNA/IRM/T&N/202 dated 01.12.2022 7) QU/IRM/22-23/01 dated 01.12.2022	1) 31.03.2024 2) 31.03.2024 3) 31.03.2024 4) 31.03.2024 5) 31.03.2024 6) 31.03.2024 7) 31.03.2024	1) Shree Sai Automation 2) Auctors 3) Shubhra Airtech 4) Instruments Research Association Pvt.Ltd 5) MK Soil Testing Laboratory Pvt.Ltd 6) New Nirmal Art 7) Ambica Trading Corporation	
		Sub-Total (1)							69.54		0.00		0.00		0.00		0.00	69.54				
2		Trunk Line																				
i)	4.06-B2	HUA and Tap-off	77.27	0.00	13.91	91.20	EA	1	91.20	0	0	1	91.20	0	0	0	0	182.40	Mail Communication	Not Applicable	IOCL	
		Sub-Total (2)							91.20		0.00		91.20		0.00		0.00	182.40				
3	4.06-B3	Retail Cylinder Bank	0.08	0.00	0.02	0.10	Set	0	0	0	0	175	17.35	175	17.35	0	0	34.69	AET/2023/153 Dated 05.09.2023	31-03-2024		
	4.06-B4	HCV	2.42	0.00	0.68	3.10	EA	0	0	0	0	4	12.39	4	12.39	0	0	24.78	August/00027 std. strd.29/08/2023	31-03-2024	Ether	
		Sub-Total (3)							0.00		0.00		29.74		29.74		0.00	59.47				
4		DRS																				
i)	4.06-B5	5000 SCMH	4.50	0.09	0.83	5.42	EA	1	5.42	1	5.42	0	0	1	5.42	0	0	16.25	INEL_ICPIL_G2022391_IRMEL_R 00 Dated 14-10-2022	31-03-2024	Inel	
ii)	4.06-B5	Erection of DRS	0.25	0.00	0.04	0.29	EA	1	0.29	1	0.29	0	0	1	0.29	0	0	0.88	ACPL/IRM/RFQ-09 Dated 10-10-2022	31-03-2025		
		Sub-Total (4)							5.71		5.71		0.00		5.71		0.00	17.13				
		Sub-Total (B=1+2+3+4)							166.45		5.71		120.94		35.44		0.00	328.53				
		Sub-Total (C = A+B)							166.45		5.71		120.94		35.44		0.00	328.53				
C)	4.06-D	Contingencies							8.32		0.29		6.05		1.77		0.00	16.43				
		Grand Total (C+D)							174.77		5.99		126.98		37.22		0.00	344.96				

Annexure-B

S.NO	Reference from Main Table	Description	Basic rate (INR Millions)	Freight (inclusive of P&F) (INR Millions)	GST (As Applicable) (INR Millions)	Landed Rate in INR Millions (Inc. GST)	UOM	Balance Sep'23 to Nov'23		Y 23-24 (From Dec'23 to Mar'24)		FY 24-25		FY 25-26		FY 26-27 (upto Sep'26)		Grand Total (INR Millions) (including GST)	Vendor Name	Reference PO/Quotation	Validity of Quotation	
								Quantity to be procured	Amount (INR Millions) to be incurred through IRM Internal Accruals and Bank Borrowings	Quantity	Amount (INR Millions) (including GST)	Quantity	Amount (INR Millions) (including GST)	Quantity	Amount (INR Millions) (including GST)	Quantity	Amount (INR Millions) (including GST)					Quantity
B)		Connections																				
1		Domestic																				
i)	4.01-B1	Smart Meter	0.0045	0.00009	0.0008	0.0054	EA	0	0	3600	19.30	8000	42.90	8000	42.90	4400	23.59	128.69	Capital Power Systems Ltd.	CPS/IRM/2022-23/002 Dated 30-09-2022	29-09-2025	
ii)	4.01-B1	Regulator	0.0002	0.000005	0.0000	0.0003	EA	0	0	3600	0.99	8000	2.20	8000	2.20	4400	1.21	6.61	Greenglobe Fuel Solutions Pvt. Ltd.	GFSP/EL/5104/2023 Dated 05-09-2023	31-03-2024	
iii)	4.01-B1	PNG Installation	0.0059	0	0.0011	0.0070	EA	0	0	3600	25.02	8000	55.60	8000	55.60	4400	30.58	166.80	MME Infracon Pvt. Ltd.	RFQ/22-23/CGD/IRM/SI/SEP-01 Dated 15-09-2022	31-03-2026	
iv)	4.01-B1	20 MM laying	0.003	0	0.0005	0.0035	EA	0	0	3600	12.58	8000	27.97	8000	27.97	4400	15.38	83.90	MME Infracon Pvt. Ltd.			
v)	4.01-B1	Security Deposit (Less)	0.005	0	0	0.005	EA	0	0	3600	18.00	8000	40.00	8000	40.00	4400	22.00	120.00		Not Applicable	Not Applicable	
		Sub-Total (1)							0.00		39.90		88.67		88.67		48.77	266.00				
2		Commercial																				
i)		Commercial Meter																				
a)	4.01-B2	G-10	0.0170	0.00034	0.00312	0.020	EA	0	0	9	0.18	0	0.00	0	0.00	11	0.23	0.41	Kriti Tradeimpex Pvt. Ltd.	G-KTPL_IRM_003-14102022 Dated 14-10-2022	31-03-2024	
b)	4.01-B2	G-16	0.0194	0.00039	0.00357	0.023	EA	0	0	0	0.00	20	0.47	10	0.23	0	0.00	0.70				
c)	4.01-B2	G-25	0.0325	0.00065	0.00596	0.039	EA	0	0	0	0.00	0	0.00	12	0.47	0	0.00	0.47				
ii)		Commercial Regulator																				
a)	4.01-B2	B-25	0.0145	0.00029	0.00267	0.017	EA	0	0	9	0.16	20	0.35	10	0.17	11	0.19	0.87	Kriti Tradeimpex Pvt. Ltd.	G-KTPL_IRM_003-14102022 Dated 14-10-2022	13-10-2023	
b)	4.01-B2	B-40	0.0153	0.00031	0.00281	0.018	EA	0	0	0	0.00	0	0.00	12	0.22	0	0.00	0.22				
iii)	4.01-B2	Installation	0.0025	0.00000	0.00045	0.003	EA	0	0	9	0.03	20	0.06	22	0.06	11	0.03	0.18	MME Infracon Pvt. Ltd.	RFQ/22-23/CGD/IRM/SI/SEP-01 Dated 15-09-2022	31-03-2026	
		Sub-Total (2)							0.00		0.37		0.88		1.16		0.45	2.86				
3		Industrial																				
a)	4.01-B3	G-65 MRS	0.3881	0.01	0.07126	0.467	EA	0	0	0	0	1	0.47	0	0.00	2	0.93	1.40	Inel Gas Controls Pvt. Ltd.	NEL_ICGPL_G2023194_IRMEPL_R0 Dated 10.09.2023	31-03-2024	
b)	4.01-B3	G-100 MRS	0.4357	0.01	0.07999	0.524	EA	0	0	0	0	2	1.05	2	1.05	0	0.00	2.10				
c)	4.01-B3	G-160 MRS	0.5282	0.01	0.09697	0.636	EA	0	0	0	0	0	0.00	3	1.91	0	0.00	1.91				
d)	4.01-B3	Installation	0.0120	0.00	0.00216	0.014	EA	0	0	0	0	3	0.04	5	0.07	2	0.03	0.14	MME Infracon Pvt. Ltd.	RFQ/22-23/CGD/IRM/SI/SEP-01 Dated 15-09-2022	31-03-2026	
		Sub-Total (3)							0.00		0.00		1.56		3.03		0.96	5.55				
		Sub-Total							0		40.27		91.10		92.86		50.18	274.41				
C)		Contingencies							0		2.01		4.56		4.64		2.51	13.72				
		Grand Total							0.00		42.28		95.66		97.50		52.69	288.13				