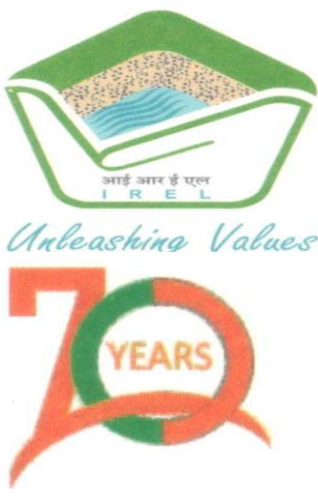


This tender floated in GeM portal. Bidder has to submit their offer through GeM only.



## आईआरईएल (इंडिया) लिमिटेड IREL (India) Limited

(पूर्वमेंइंडियनरेअरअर्थ्सलिमिटेड Formerly Indian Rare Earths Ltd.)

रेअरअर्थ्सप्रभाग Rare Earths Division,

उद्योगमंडल Udyogamandal, कोची Kochi-683501

CIN: U15100MH1950GOI8187

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 COMPANY

GST ID No. 32AAACI2799F2ZM

### SCHEDULE OF TENDER

IREL Tender No.	IREL/Udyogamandal/23-24/ 26246
Name of Work	Fabrication, supply, erection and commissioning of MSFRP Tanks as per the scope of work.
Type of Tender	Open Tender, Single Stage Two Bid System Two cover System
Estimated Cost	₹ 13,000,000/- (Inclusive of all).
Earnest Money Deposit (EMD)	₹ 260,000/- ( <b>Only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD for MSME against submission of Udyam certificate</b> )
Validity of tender	90 days from bid due date
SD/PBG	5% of the contact value excluding GST
Contact details of tender inviting authority	Shri. Abel Devadhason – CM-Technical (Purchase) IREL (India) Limited, R E Division, Udyogamandal – 683 501, KERALA E-mail: <a href="mailto:purchase-red@irel.co.in">purchase-red@irel.co.in</a> Ph. No. 0484-2545199

## **DISCLAIMER**

The information contained in this tender document (the “TENDER”) or subsequently provided to Bidder(s), whether verbally or in documentary or any other form, by or on behalf of IREL or any of its employees, is provided to Bidder(s) on the terms and conditions set out in this TENDER and such other terms and conditions subject to which such information is provided. The information provided is only for the information and reference of the Bidders.

This TENDER is not an agreement and is neither an offer by IREL to the prospective Bidder(s) or any other person. The purpose of this TENDER is to provide interested parties with information that may be useful to them in the formulation of their bid for participation in this TENDER. This TENDER includes statements, which reflect various assumptions and assessments arrived at by IREL in relation to the tender work. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This TENDER may not be appropriate for all persons, and it is not possible for IREL, or its employees to consider the investment objectives, financial situation and particular needs of each party who reads or uses this TENDER. The assumptions, assessments, statements and information contained in this TENDER may not be complete, accurate, adequate or correct. Each Bidder should therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this TENDER and obtain independent advice from appropriate sources.

Information provided in this TENDER to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. IREL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

IREL, its employees and consultant make no representation or warranty and shall have no liability to any person, including any Bidder, under any law, statute, rules or regulations, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this TENDER or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the TENDER and any assessment, assumption, statement or information contained therein or deemed to form part of this TENDER or arising in any way with qualification of Bidders for participation in the Bidding Process. IREL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this TENDER. IREL may, in its absolute discretion but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this TENDER.

The issue of this TENDER does not imply that IREL is bound to select and short-list qualified Bids for Price Bid stage or to appoint the Selected Bidder for the intended work, and IREL reserves the right to reject all or any of the Bids without assigning any reasons whatsoever.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by IREL or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and IREL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

**TABLE OF CONTENTS:**

<b>Sl. No.</b>	<b>Contents</b>
1.	General Instruction to bidders
2.	Pre-Qualification Criteria - Annexure - I
3.	Special Conditions of Contract (SCOC) - Annexure - II
4.	Bill of quantity - Annexure - III
5.	General Conditions of the Contract (GCOC) - Annexure - IV
6.	Undertaking - Annexure - V
7.	EMD Declaration - Annexure - VI
8.	Technical deviation statement - Annexure - VII
9.	Declaration of Non-Blacklisting - Annexure - VIII
10.	Annexures to Bid Form: Eligibility Declarations - Annexure - IX
11.	Contractor Enrolment / Registration Form Annexure - X
12.	Vendor up-dation format- Annexure - XI
13.	Performa for Bank Guarantee for Earnest Money Deposit - Annexure - XII

## **GENERAL INSTRUCTIONS TO BIDDERS**

### **GENERAL**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

### **PREPARATION AND SUBMISSION OF BIDS**

- 1) The tender bids duly filled in all aspects and uploaded at GEM Portal on or before the scheduled time and date as mentioned in the tender enquiry will be considered for evaluation.
- 2) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e., on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 3) The Bids shall be prepared in two parts viz. PQ cum Technical Bid (Part-I) and Price Bid (Part-II). The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 4) Technical Bid will be opened at the first instance and evaluated by IREL's concerned authority. In the second stage, financial bids of only the technically eligible offers will be opened for further evaluation and ranking before awarding the contract.

#### **PQ cum Techno-commercial bid (Part -I)**

It contains documents in support of eligibility criteria, self-attested tender document and any other document specifically specified in this tender document.

Part -II shall contain Price Bid (to be submitted electronically).

This part shall contain only Schedule of prices duly filled in as per the Bid Proposal Schedules. No physical submission of hard copy is permitted.

- 5) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 6) **METHOD OF SELECTION:**

Part-I of the bid will be evaluated and bidders meeting the PQ criteria and other tender conditions will be qualified as eligible bidders for opening of the price bids. The price bids opened subsequently will be scrutinized for responsiveness and IREL shall consider placement of order on the qualified bidder, whose offer shall be overall lowest. However, IREL reserves the right to accept or reject all or any tender without assigning any reasons and does not bind itself to accept the lowest offer.

**Note:** To assist in the examination of documents submitted by the bidder in support of eligibility criteria (PQ), IREL may, at its discretion, ask the Bidder for clarification of its bid. The request for

clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

7) **SPECIAL TERMS AND CONDITIONS**

7.1 **Site Visit:**

Prior to quoting rates, the bidders are advised to visit the site on any working days at our specified visiting hours with the permission of Engineer concerned /Purchase Dept. The bidders are also advised to study the labour supply/availability, trade union practices and labour rates prevailing at Udyogamandal.

7.2 **Effect and validity of bid:**

- (i) The submission of any bid connected with these documents and specifications shall constitute an agreement that the bidder shall have no cause of action or claim against IREL for rejection of his bid.
- (ii) The bid shall be valid for a period of 90 days from bid due date.

7.3 **Right to reject the Tender:**

- (a) IREL reserves the right to reject any tenders whatsoever without assigning any reason thereof.
- (b) IREL reserves the right to modify/ add/ reduce the scope, either in whole or in part any of the clauses mentioned herein without assigning any reason thereof.

Further IREL, in its sole discretion and without incurring any obligation or liability, reserves the right, at any time, to;

- a. suspend and/ or cancel the Bidding Process and/ or amend and/ or supplement the Bidding Process or modify the dates or other terms and conditions relating thereto;
- b. consult with any Bidder in order to receive clarification or further information;
- c. pre-qualify or not to pre-qualify any Bidder and/ or to consult with any Bidder in order to receive clarification or further information;
- d. retain any information and/ or evidence submitted to IREL by, on behalf of, and/ or in relation to any Bidder; and/ or
- e. independently verify, disqualify, reject and/ or accept any and all submissions or other information and/ or evidence submitted by or on behalf of any Bidder

It shall be deemed that by submitting the Bid, the Bidder agrees and releases IREL, its employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and/ or performance of any obligations hereunder and the Bidding Documents, pursuant hereto, and/ or in connection with the Bidding Process, to the fullest extent permitted by applicable law, and waives any and all rights and/ or claims it may have in this respect, whether actual or contingent, whether present or in future.

7.4. **Prices:**

Tenders offering firm prices are only acceptable to us. Firm Price shall be quoted as per the price schedule for delivery at designated works.GST as applicable is to be considered as per the Price Schedule of the tender document.

7.5. **TENDER RATES:**

- a) The rates quoted in the price schedule shall be in Indian rupees only. The quoted rates shall be firm throughout the period of Contract including extension of time, if any.
- b) If the bidder submits abnormally low bid in combination with other elements of the bid which raises material concern as to the capability of the bidder to perform the contract at the offered price, the bidder shall be asked to provide detailed price analysis of the bid in relation to the scope, schedule

allocation of risk and responsibilities and any other requirements of the bid documents. If the bidder fails to demonstrate its capability to deliver the contract at the offered price the price bid shall be considered un-responsive.

- 7.6 Vendor should be responsible for clearing the waste materials generated during installation work.
- 7.7. The Bidder must quote all the products as per the Tender. Partial Bids will be rejected.
- 7.8 Organization is the final authority to judge the tender called items and has every power - to accept or reject the same without assigning any reasons

## **7.9 GUIDELINES FOR PROCUREMENT FROM MSEs**

### **1.0 Procurement from Micro, Small and Medium Enterprises (MSEs):**

The Procurement Policy for Micro and Small Enterprises, 2012 [as amended time to time] has been notified by the Government in exercise of the powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act, 2006. In line with Government Policy, the prevailing guidelines in this regard as issued from time to time is to be strictly adhered to.

- 2.0 As per the Government notified Public Procurement Policy for Micro & Small Enterprises (MSE), it is mandated that 25% of procurement of annual requirement of goods and services will be sourced from the Micro and Small Enterprises.
- 3.0 In tender, participating Micro and Small Enterprises (MSE) quoting price within price band of L1+15 (fifteen) per cent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply up to 25(twenty-five) per cent of total tendered value. The 25(twenty - five) per cent quantity is to be distributed proportionately among these bidders, in case there are more than one MSEs within such price band.
- 4.0 Within this 25% (Twenty Five Percent) quantity, a purchase preference of four (4) per cent s reserved for MSEs owned by Scheduled Caste (SC)/ Scheduled Tribe (ST) entrepreneurs and three (3) percent is reserved for MSEs owned by women entrepreneur (if they participate in the tender process and match the L1 price).However, in event of failure of such MSEs to participate in tender process or meet tender requirements and L1 price, four percent sub-target for procurement earmarked for MSEs owned by SC/ST entrepreneurs and three (3) percent earmarked to women entrepreneur will be met from other MSEs.
- 5.0 MSEs would be treated as owned by SC/ ST entrepreneurs:
  - a) In case of proprietary MSE, proprietor(s) shall be SC /ST;
  - b) In case of partnership MSE, the SC/ ST partners shall be holding at least 51% (fifty-one percent) shares in the unit;
  - c) In case of Private Limited Companies, at least 51% (fifty-one percent) share shall be held by SC/ ST promoters.
- 6.0 If subcontract is given to MSEs, it will be considered as procurement from MSEs.
- 7.0 In case of tender item cannot be split or divided, etc. the MSE quoting a price within the band L1+15% may be awarded for full/ complete supply of total tendered value to MSE, considering the spirit of the Policy for enhancing Govt. Procurement from MSEs.
- 8.0 Where any Aggregator has been appointed by the Ministry of MSME, themselves quote on behalf of some MSE units, such offers will be considered as offers from MSE units and all such facilities would be extended to these also.
- 9.0 **Traders/ distributors/ sole agent/ Works Contract are excluded from the purview of the policy.**
- 10.0 To reduce transaction cost of doing business, Micro and Small Enterprises is to be facilitated by providing them tender sets free of cost, exempting Micro and Small Enterprises from payment of Earnest Money (EMD), adopting e-procurement to bring in transparency in tendering process. However, exemption from paying Performance Security / Performance Bank Guarantee is not covered under the Public Procurement policy.
- 11.0 MSEs may also be given relaxation in prior turnover and prior experience criteria during the tender process, subject to meeting of quality and technical specifications. However, there may be circumstances (like procurement of items related to public safety, health, critical security operations

and equipment, etc.) where the vendor having prior experience may be preferred rather than giving orders to new entities.

12.0 Payment to the MSME vendors is to be made within 30 days from the date of receipt and acceptance of goods/ services.

13.0 In case Bidder is a Micro or Small Enterprise under the Micro, Small and Medium Enterprises Development Act, 2006, the Bidder is to be asked for submitting the following along with tender:

14.0 Ministry of MSME has notified criteria for classifying the enterprises as Micro, Small and Medium Enterprises as combination of investment in Plant & machinery or Equipment and Turnover. Mandatory registration in Udyam Registration Portal for all new and existing MSME has been prescribed.

#### 7.9.2 **RXIL (TReDS) PLATFORM**

IREL is registered with RXIL (TReDS) platform. MSE bidders are requested to get registered with RXIL (TReDS) platform to avail the facility as per the GOI guidelines.

*IREL (India) Limited is onboard with TReDS platform of M/s RXIL for facilitating Bill Discounting for MSME's.*

*As per DPE/7(4)/2007-Fin dt 21/08/2020, it is mandatory to get all the MSME vendors registered on the platform.*

*Vendors can get themselves registered at: <https://onboarding.rxil.in/customerapp/home>.*

*The registration fees of MSMEs on TReDS Platform is Free of Cost as per the new guidelines provided by SIDBI.*

*For any registration queries, vendors may please contact,*

*RXIL Relationship manager Mr. Satyajeet Jathar: +91 99201 00784 / +91 9004100784 email: [satyajeet.jathar@rxil.in](mailto:satyajeet.jathar@rxil.in)*

*RXIL Relationship manager Mr Kirti musale : +91 90048 17501 email: [kirti.musale@rxil.in](mailto:kirti.musale@rxil.in)*

*IREL (India) Limited Unit Administrator Mr. R. Abel Devadhasan : +91 9443607155 email : [purchase-red@irel.co.in](mailto:purchase-red@irel.co.in)*

*IREL (India) Limited Nodal Officer Mr. K.V.Ramakrishna: +918104997177 email: [kvramakrishna@irel.co.in](mailto:kvramakrishna@irel.co.in)*

#### 7.9.3 **MAKE IN INDIA**

7.9.3.1 For this procurement, Public Procurement (Preference to Make in India). Order 2017 dated 15.06.2017, 28.05.2018 & 29.05.2019 and subsequent Orders issued by the respective Nodal Ministry shall be applicable. The bidder to provide certificate for minimum 50% and 20% local content required for qualifying Class 1 and Class 2 Local Supplier respectively. The bidder to provide needful certificate as a proof

#### 8.0 **RESTRICTION ON PROCUREMENT FROM A BIDDER OF A COUNTRY WHICH SHARES A LAND BORDER WITH INDIA (AS PER GOI GUIDELINES AMENDED FROM TIME TO TIME)**

The bidder to provide needful certificate attached.

9.0 IREL reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. IREL also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at contracted rates. Bidders are bound to accept the orders accordingly.



10.0 **EARNEST MONEY DEPOSIT (EMD)/ BID SECURITY**

- 10.1 Earnest Money Deposit (EMD) is a deposit received from the tenderers in token of their earnestness in submitting their offer to undertake the supplies/works/services/consultancy contracts and conclude a contract if entrusted to them on the basis of their tender.
- 10.2 EMD is to be remitted by way of 'Insurance Surety Bonds' or 'account payee demand draft' or 'fixed deposit receipt' or 'bankers cheque' or 'Bank Guarantee from any scheduled commercial Banks' or "online payment" in favour of IREL. In case of online payment, bidders should submit the UTR no. enabling verification of receipt of the amount.
- 10.3 Government Body/Public Sector Undertakings may be exempted from payment of EMD with the approval of Competent Authority.
- 10.4 EMD amount in rupee value is to be mentioned as a fixed amount in the tender and not as a percentage of the estimated cost and no interest is payable on the EMD.
- 10.5 EMD shall be exempted to MSEs and Start-ups as per prevailing guidelines in this regard.
- 10.6 EMD is liable to be forfeited if:
- a. The tenderer changes the terms and conditions or prices or withdraw his quotation subsequent to the date of opening/ The tenderer impairs or derogates from the tender in any respect within the period of validity of the tender
  - b. The tenderer fails to accept the order when placed or fails to commence supplies/works/services after accepting the order.
  - c. In case bidder submits false/fabricated documents. d) In case bidder fails to submit SD as stipulated in the tender.
- 10.7 The offers received from tenderers without EMD and/or tender cost shall be summarily rejected except where an exemption is provided in the tender.
- 10.8 EMD may be adjusted against security deposit / performance security of the successful bidder. EMD of the unsuccessful bidders should be returned to them at the earliest after expiry of the final bid validity period and latest by the 30th day after the award of the contract. Bid security should be refunded to the successful bidder on receipt of performance security. However, in case of two stage bidding/ 2or 3 envelope bidding, EMD of unsuccessful bidders during first stage i.e. technical evaluation etc. should be returned within 30 days of declaration of result of first stage i.e. technical evaluation etc.
- 10.9 In case where the EMD is provided in form of BG in the prescribed format to be attached with the tender, the BG shall be obtained from a scheduled commercial Bank with validity of 45 days beyond final bid validity period.

11.0 **SECURITY DEPOSIT (PERFORMANCE SECURITY) OR PERFORMANCE BANK GUARANTEE:**

- a) Security deposit (SD) shall be uniformly levied @ 5% of contract value (excluding Taxes) towards satisfactory completion of the order/works as under:
  - b) for works contract valued more than Rs.2 lakhs. b) For supply & service contract valued more than Rs.5 lakhs.
- Performance Security is to be furnished by a specified date (generally 14 (fourteen) days after notification of the award) and it should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the supplier/ contractor, including warranty obligations/ defect liability period (DLP).
- In exceptional cases waiver of SD shall be approved by Competent Authority after recording the reasons for such waiver.

Submission of SD/PBG, if called for in the tender can also be paid through Insurance Surety Bonds" or „account payee demand draft" or „fixed deposit receipt from a Scheduled Commercial bank" or "Bank Guarantee issued/ confirmed from any Scheduled Commercial Banks in India" or online payment to be confirmed sharing Unique Transaction Reference (UTR) to the tender inviting authority as called for in tender. In case of GTE tenders, the performance security should be in the same currency as the contract and must conform to Uniform Rules for Demand Guarantees (URDG 758) – an international convention regulating international securities. In case of JV, the BG towards performance security shall be provided by all the partners in proportion to their participation in the project. Bank Guarantees

towards Bid Security/ Security Deposit/ PBG issued by Nationalized Banks/ Scheduled Commercial Banks (other than Cooperative Banks) only acceptable.

Purchase Department should immediately forward the SD to finance department for necessary action under intimation to EIC/ OIC.

In exceptional cases of work contracts, the approving authority may consider Recovering balance SD (in addition to EMD if it is given not in BG form) amount from 1<sup>st</sup> running bill of the contractor which shall be specifically mentioned in the tender document itself.

EMD/ Bid Security may be adjusted towards SD. However, if EMD is submitted in the form of Bank Guarantee, fresh Bank Guarantee in the prescribed format or demand draft/ bankers cheque is to be submitted towards SD.

BG format for security deposit is attached in Annexure-XIV.

The SD shall not bear any interest and is liable to be forfeited for unsatisfactory completion or on abandonment of the supply/ work order.

Additional amount of SD due to enhancement in scope of work is also to be obtained.

#### 12.0 **RETENTION MONEY**

12.1 Where in a contract, payment is made on progressive billing of work executed, 5% of the bill value shall be retained at the time of making payment towards rectification/ defective work made as retention money.

12.2 The total SD and retention money together towards performance guarantee shall not exceed 10% of the contract value.

#### 13.0 **REFUND OF SD AND RETENTION MONEY**

- a. Before releasing SD or retention money in respect of supplies/works, a "No Due Certificate" shall be issued by EIC/OIC duly countersigned by head of the department after ensuring that no amounts are recoverable from the supplier/contractor.
- b. EIC/OIC shall recommend release of SD and retention money after compliance by the contractor towards guarantee/warranty/performance guarantee & other related clauses as stipulated in the purchase/work order and on submission of formal claim by contractor.
- c. On receipt of "no dues certificate" from EIC/OIC, SD or retention money retained in the form of B.G and / or any form shall be refunded at the earliest, if the contractor is not liable to pay any money to IREL (India) Limited under any other contract.

#### 14.0 **FORFEITURE OF SD & RETENTION MONEY**

The SD & retention money shall stand forfeited in favor of IREL (India) Limited, without any further notice to the contractor in the following circumstances:

In case of any failure whatsoever on the part of the contractor at any time during performance of his part of the contract including the extended periods of contract, where notice is given and time for rectification allowed.

If the contractor indulges at any time in any subletting/sub -contracting of any portion of the work without approval of IREL (India) Limited.

15.0 **REQUIRED DOCUMENTS TO BE SUBMITTED ALONGWITH TECHNO-COMMERCIAL BID.**

Sl. No.	Description	Up-loaded Yes /No
1	PROOF OF SUBMISSION OF EMD / VALID EXEMPTION CERTIFICATE (If Applicable).	
2	DOCUMENTS AS PER PRE-QUALIFICATION CRITERIA (Annexure - I).	
3	DULY FILLED, SIGNED AND SEAL AFFIXED IREL TENDER DOCUMENTS (Annexure - II to XII).	
4	COPY OF GST & PAN CERTIFICATES.	
5	ACCEPTANCES OF TECHNICAL SPECIFICATION AND NIT TERMS & CONDITIONS AND SUBMISSION OF NIL DEVIATION STATEMENT-ANNEXURE- IV	
6	ANY OTHER DOCUMENTS AS PER TENDER CONDITIONS.	

16.0 **CONTACT PERSON OF TENDERING AUTHORITY IREL (INDIA) LIMITED, R E DIVISION, UDYOGAMANDAL, KERALA.**

Purpose	Name	E-mail ID	Contact No.
For Bid/tender related query	Shri. R Abel Devadhason CM-Technical (Purchase)	<a href="mailto:purchase-red@irel.co.in">purchase-red@irel.co.in</a>	0484-2545199 91 9443607155
For Technical Specification / Scope of work related Query	Shri. Tara Singh Mehta DM-Technical (Prodn.)	<a href="mailto:production-red@irel.co.in">production-red@irel.co.in</a> <a href="mailto:tara.singhmehta@irel.co.in">tara.singhmehta@irel.co.in</a>	91 9720674067
For Consignment/Goods Transportation related Query	Shri. Sanjaykumar Vind M-Technical (Stores)	<a href="mailto:stores-red@irel.co.in">stores-red@irel.co.in</a>	91 8301997625
For Payment/refund related Query	Smt. P Kamalam DGM (Finance)	<a href="mailto:finance-red@irel.co.in">finance-red@irel.co.in</a>	91 8593994144

**PRE -QUALIFICATION CRITERIA (PQC)**

To pre-qualify in this Bid, the Bidder shall fulfil the following: -

**1.0 TECHNICAL COMPETENCE**

Bidder should have supplied MS/CS FRP tanks as per detailed below during last 7 years ending 31<sup>th</sup> January 2024 to any Govt. Organizations/PSU/CPSU/reputed private organizations. Party has to submit the copy of Work order/purchase order along with proof of execution /GST/VAT invoices of the corresponding submitted documents as a proof of similar supply / work experience.

- (a) One MS/CS FRP tank with agitator & assembly of minimum capacity 18 M<sup>3</sup> or one MS/CS FRP tank of minimum capacity 18 M<sup>3</sup> and at-least one agitator & assembly required for 18 M<sup>3</sup> tank separately.  
OR
- (a) Two MS/CS FRP tanks with agitator & assembly of minimum capacity 12 M<sup>3</sup> each or two MS/CS FRP tank of minimum capacity 12 M<sup>3</sup> each and at-least one agitator & assembly required for 12M<sup>3</sup> tank separately  
OR
- (b) Three MS/CS FRP tanks with agitator & assembly of minimum capacity 10 M<sup>3</sup> each or three MS/CS FRP tanks of minimum capacity 10 M<sup>3</sup> each and at-least one agitator & assembly required for 10M<sup>3</sup> tank separately

**2.0 FINANCIAL COMPETENCE**

The average annual turnover of the contractor shall not be less than Rs.39 lakh during the last three consecutive financial years ending on 31<sup>st</sup> March 2023.

To verify the turnover, the bidder shall submit copies of the Audited Profit & Loss statement for the last three financial years ending on 31<sup>st</sup> March 2023.

**Note:**

- 1. In the absence of receipt of Pre-qualification criteria, the offer will not be considered under any circumstances.
- 2. Pre-qualification Criteria can be relaxed for MSEs and startup companies subject to meeting quality and technical specification. Party has to submit necessary documents for the same.
- 3. The offers of the bidders who have defaulted in the past in execution of the contracts or in complying with the obligations as per the contract shall not be considered.

## SPECIAL CONDITIONS OF CONTRACT (SCOC)

### 1.0 SCOPE OF WORK

The scope includes dismantling of existing of five nos. conical bottom MSFRP tanks (two 30 M3, two 18 M3 and one 10 M3) and one flat bottom MSFRP tank (13 M3), fabrication, erection and commissioning of five nos. conical bottom MSFRP tanks (two 30 M3, two 18 M3 and one 10 M3) and one flat MSFRP bottom tank (13 M3) with agitator and all accessories in place of dismantled tanks, repair of damaged leg footing as per scope of work and technical requirements detailed below.

### 2.0 DETAILS OF WORK

The scope of work includes but not limited to:

- (i) Submission of schedule of execution of the work.
- (ii) Successful bidder has to visit the site prior to the participation in bid and get accustomed with the site condition, dismantling of existing tanks and erection of new ones etc.
- (iii) The fabrication drawings and tank leg foundation drawings are to be submitted within 15 days of receipt of order. Party has to commence the fabrication work only after approval of drawing by IREL.
- (iv) Party shall dismantle the existing six nos. of MSFRP tanks with accessories before erection of the new tanks.
- (v) **Fabrication** of all six MS tanks in segments as appropriate as per site condition to fix at the place of existing tanks to be replaced. Fabrication will be as per technical specification and attached tentative drawings. **The technical requirements and drawings provided in the tender are only indicative and not descriptive and the contractor shall ensure that the whole system supplied is complete in all respects for the smooth operation of the plant and should be suitable for the rated performance.**
- (vi) All materials including MS sheet required for fabrication, erection and commissioning will be under the contractor's scope.
- (vii) **Supply** of fabricated MS tanks with all accessories such as agitator complete with housing bridge, motor, reduction gear, grid plates and supports bearings, bearing housing, couplings, leg and leg supports with base plates, etc.
- (viii) **Dismantling** of existing six nos. of MSFRP tanks with all accessories such as agitator complete with housing bridge, motor, reduction gear, bearings, bearing housing, couplings, lug and leg supports with base plates, etc. and shifting the same at designated place as per instruction of EIC.
- (ix) Opening of all flanges, pipes, fittings, electrical connections, instrument connections, asbestos sheets etc. and cutting of tank platforms, supports, and foundations if any required for dismantling the existing tank. Re-fixing of the same / new one after erection of the tanks, if required for operation of the tanks as per instruction of SIC.
- (x) **FRP lining** of all six new fabricated tanks.
- (xi) **Erection** of six nos. of MSFRP tanks with all accessories such as agitator complete with housing bridge, motor, reduction gear, bearings, bearing housing, couplings, lug and leg supports with base plates, etc. in place of dismantled tanks.
- (xii) The items dismantled if found in good condition may be reused as per the instruction of EIC.
- (xiii) The contractor has to fabricate and lay new pipelines and fittings suiting to the newly installed tanks as per the instruction of EIC. All the pipes at site are of HDPE material. The pipes and pipe fittings (like bends, ends, flanges, Tee, nut & bolts etc.) including valves shall be provided by IREL. The pipeline provided may be new or from the dismantled lines.
- (xiv) All the pipes and cables used for the above work shall be supported by pipe rack and cable rack as per the instruction of EIC.
- (xv) **Any other works** required for erection of the tank such as modification of the civil foundation, civil structures, tank platform, connected pipelines to the tanks etc., removal of electrical connection, instrumentation works etc. is under the scope of the contractor.
- (xvi) **Any civil, mechanical, electrical works** which are not mentioned in the scope of work but required for dismantling & shifting of the existing tanks, erection and commissioning of the new tanks in place of dismantled one is under the scope of the contractor.
- (xvii) Contractor shall provide consumable materials, Cranes, ladders, platforms, temporary supports and

other necessary facilities required for the handling and erection of the equipment supplied under the Contract.

- (xviii) Unless otherwise provided in the Contract, the contractor shall arrange all construction / erection equipment/vehicle, welding equipment, erection and lifting tools and tackles, instruments and appliances required for the fabrication and erection work.
- (xix) Contractor shall provide necessary supervisory personnel, staff, skilled and unskilled labour, including electrical personnel with approved license as per Indian Electricity Rules 1956 as amended from time to time, to ensure that the whole of the fabrication and erection work is completed in all respect within the period specified in the Contract. The contractor shall ensure, when local laws require, the concerned employees obtain and hold certificates of competency for their work from the competent authority.
- (xx) Contractor shall provide all the material, scaffolding, tools and machineries, vehicles required for cutting of existing tank foundation and for providing new foundation. Any work related to cutting of existing tank foundation and for providing new foundation is under contractor's scope.
- (xxi) The project being Turn-key in nature, party has to carry out all other works including mechanical, electrical, civil works, etc. associated with this work but not mentioned in the tender.
- (xxii) **Commissioning and performance testing** of the tank. Contractor representative must be present during performance testing.

Detailed technical specification is enclosed as **Annexure-A**

### 3.0 **SCOPE OF IREL**

Electricity at 440V three phase and water will be made available to the contractor on free of charge at a single point within 100 meters of the work site required for the execution of the work. The contractor shall arrange for further distribution at his own cost. The contractor shall ensure that these are not misused or wasted. HDPE pipes and pipe fittings including valves shall be provided by IREL.

### 4.0 **SCOPE OF CONTRACTOR:**

Contractor has to supply all the necessary tools and tackles, scaffoldings, temporary supports, welding machine and electrodes, gas cutting machine with gas cylinders, HDPE welding mirrors, MS nuts and bolts of HDPE flanges and valves, grinders etc. required for fabrication, erection and commissioning.

### 5.0 **PERIOD OF CONTRACT:**

- 5.1 Submission of Detailed Fabrication drawings: Within 15 days from the date of receipt of IREL's Work order. Seven days from the date of dispatch/posting of work order/letter by IREL will be considered as receipts of work order/handing over the site, unless otherwise proven by the contractor.
- 5.2 IREL will verify and approve the detailed fabrication drawings within 10 days from the date of receipt of the same.
- 5.3 Dismantling of existing tanks, fabrication, inspection, erection and other associated works as per scope of work, performance testing of both tanks shall be completed within 150 calendar days from the date of approval of detailed drawings by IREL.
- 5.4 Party has to complete the work within 180 days from date of receipt of IREL's work order.

### 6.0 **PAYMENT TERMS:**

Payment will be made based on the actual executed quantity of work done per tank basis as detailed below:

- 6.1 For Sl. No. 1 to 4 of BOQ/Price Schedule:
  - 6.1.1 65 % of total value less statutory deductions, if any, shall be made after supply of tanks with agitator along with all accessories within 30 days of submission of bill certified by EIC.
  - 6.1.2 30% of total value less statutory deductions, if any, shall be made after successful commissioning of the tanks within 30 days of submission of bill certified by EIC.

6.1.3 5% of total value less statutory deduction, if any shall be paid along with SD after completion of warranty period or submission of equivalent amount of BG.

6.2 For Sl. No. 5 to Sl. No. 14 of BOQ/Price Schedule:

100% Payment less statutory deductions against each activity shall be made within 30 days of submission of bill certified by EIC.

7.0 **WARRANTEE**

The warrantee shall be for material, workmanship and performance for a period of 12 months from the date of commissioning.

8.0 **ENGINEER-IN-CHARGE (EIC)**

Shri Tara Singh Mehta, DM- Technical (Production) will be the Engineer-in-Charge (EIC) for the work.

## TECHNICAL REQUIREMENTS

### 1.0 MILD STEEL TANK AND ACCESSORIES FABRICATION

The tanks and agitator assemblies shall be designed and fabricated as per latest standards as well as in accordance with good engineering practice.

#### 1.1 **Materials of construction:**

All materials, equipments used in the contract shall be new. The steel material used for manufacture shall be of tested quality and shall confirm to the specification indicated in the data sheets. Re rolled sheet shall not be used for fabrication. Proof of purchase of material from make listed above shall be produced by the contractor.

**Make of steel: SAIL/TISCO/Essar/Jindal/RINL/Tata steel make only**

- 1.2 Circumferential reinforcement using ISA 75x75x6 shall be provided at the top, bottom and centre of the tanks as per tentative drawings and shall be fully welded. The top reinforcement angle can be used as flange for fixing cover plates by providing bolt holes of 16mm diameter at a gap of 600mm along the circumference. Lug and leg supports minimum 4 sets adequately stiffened with gusset plates shall be provided by maintaining the indicated ground clearance mentioned in drawings.
- 1.3 The tank shell shall be adequately stiffened and provided with reinforcement pads wherever required. Covers shall be of separate segments for easy removal. Lifting lugs have to be suitably provided. Baffles shall be provided (4 nos.) with suitable gusset plates
- 1.4 The nozzle flanges shall be fabricated out of mild steel plates conforming to IS: 2062. The flanges shall be slip on type with flat face having dimensions to ANSI-B.16.5, 150 lbs rating. All nozzle projections shall be 150 mm unless otherwise indicated in vessel data sheets. In case where it is brazed with the channel support, it should be minimum 150 mm above the channel support.
- 1.5 Tentative nozzle schedule is indicated in the tank data sheet. Final size, numbers and orientation will be furnished at the time of approval of fabrication drawings. All the nozzles and flange face have to be lined with 5mm thick FRP.
- 1.6 The Contractor shall assemble the driving units and give mechanical running test. All agitators shall be statically and dynamically balanced.
- 1.7 The thrust bearings used in agitator assemblies shall be suitable for the load and housed in adequately designed bearing housings.
- 1.8 The agitator length should be designed such a way that in the event of replacement of agitator, shaft with agitator blade can be taken out without removing the lantern stool, bearing housing with top sub shaft and gear motor assembly, and to be fitted back without disturbing the above mentioned parts.
- 1.10 Manual Metal Arc welding process shall be employed using ISI approved electrodes in accordance with IS: 814.
- 1.11 Welding shall not be done on surfaces which are wet or exposed to main or excessive draft. Surfaces to be welded shall be free from paint, rust, oil, grease, dust or any other contamination.
- 1.12 Welds shall be cleaned between passes to remove all traces of slag and flux before successive beads or layers are deposited. The welds shall be ground smooth and flush on the side to be FRP lined.



## 2.0 **FRP LINING**

- 2.0 The fabricated tanks, grid plates, supports and agitator assemblies shall be internally lined with fibre glass reinforced plastic in Bisphenol resin as specified below. The tanks shall be lined internally covering all contact surfaces and agitator shaft, blades, baffles and gusset plates shall be lined all around up to the bearing housing. The welds on the surface to be lined shall be ground smooth and flush.
- 2.1 The surfaces shall be thoroughly cleaned with the help of solvent suitably and sand blasted to grade S.A 2.5 prior to FRP lining.
- 2.2 The FRP lining shall be done with five layers of chopped strand mat of 450 gm/sq. m. and 1 layer of surface mat in Bisphenol resin on tank inner surfaces, nozzles and cover plate inside surfaces. The FRP lining thickness shall be minimum 5 mm. Air traps shall be avoided at all joints & corners of the tank.
- 2.3 The lined surfaces of the vessel and agitators shall be reasonably smooth and without any crevices.
- 2.4 The lined surfaces shall have gel coat smooth finish. Sufficient time interval for drying may be provided between application of subsequent layers of resin, chopped strand mat and surface mat.
- 2.5 Data sheet:  
The tank with agitator-motor assembly units is to be supplied as per the data sheet and approved drawings.

## 3.0 **PAINTING:**

Paints shall be applied in accordance with manufacturer's recommendation as supplemented by this specification. The work shall generally follow IS: 1477 (Part II). Prior to applying finish painting, damaged and defective shop coats shall be touched up with same type of paint as used for shop coat. The work shall include removal of the damaged paint work, surface preparation of all exposed area either due to damage of shop coat or due to site fabrication work and application of paint. If in the opinion of IREL, or his authorized representative, the damage to the shop coat is extensive, and then instead of spot touch up, one overall coat of primer shall be applied for each shop coat, after cleaning. Surfaces which have not been shop coated but require to be painted shall be given the necessary surface preparation and prime coats at site.

- (a) **Surface cleaning:** All external surfaces of tank (not coming in contact with process fluid) shall be cleaned of loose substance and foreign material e.g. Dirt, rust, scale, oil grease, welding flux etc.
- (b) **Painting:** tank has to be painted with- **one coat of rust convertor**.  
- After drying the tank is to be given **a coat of chemical resistant epoxy primer**  
- Then **minimum two coat of chemical resistant epoxy paint of dark grey colour**. After the erection/ assembly of structures and equipment at plant site,
- (c) **Measurement of painting thickness:** The DFT (dry film thickness) shall be 105µm (micron) after full coat painting.

The contractor shall arrange DFT meter and paint thickness has to be measured at site with EIC, and if found less it has to be painted to attain the final 105µm (micron) DFT.

## 4.0 **TECHNICAL SPECIFICATION FOR MOTORS OF AGITATOR ASSEMBLIES:**

Squirrel cage Induction Motors with Enclosure, TEFC conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 50Hz+/- 5% AC 3 Phase supply, **15 HP, 10 HP and 7.5 HP, 1440 rpm**, IE-3 Class, Ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" altitude less than 1000 m above mos.. Performance Efficiency values are conforming to IS12615 / IS/IEC 60034 with its latest amendments.

## **PREFERRED MAKE OF BOUGHT OUT ITEMS / MANUFACTURERS**

M.S.Sheets : SAIL, TISCO, Essar, Jindal, RINL, Tata Steel.  
Motor : Crompton Greaves / Siemens / Kirloskar NGEF.  
Gear : Premier Gears (Formerly Radicon) / Shanti / Elecon / Allroyd.  
Bearings : SKF, FAG, ZKL, NTN.  
Coupling : Love-Joy or equivalent  
FRP-Resin : Naptha, Golden, Ecmas, Mechemco.  
Glass mat : Binani, OCV reinforcements, Saint Gobain.  
Paint : Nerolac, Asian Paint, Shalimar, Berger, Arkoy

### **5.0 INSPECTION AND TESTING**

- 5.1 IREL reserves the right to inspect the tanks after fabrication and/or after FRP lining at contractor's site.
- 5.2 The manufacturer shall conduct all tests required to ensure that the equipment furnished shall conform to the requirements of the applicable codes and submit the test reports to IREL. All dimensions and nozzles shall be as per approved drawings. All materials used in the contract shall be of the makes mentioned.
- 5.3 Hydraulic test: After completion of fabrication work, party shall fill water upto 90% of the tank cylindrical height and will check for leakage. Necessary modification/repair shall be done to arrest any leakage, if any at no extra cost to IREL.
- 5.4 The tanks after FRP lining shall be subject to the following tests:
- 5.4.1 Thickness test: Thickness of FRP lining by thickness meter/measurement of cut sample at random points as instructed by EIC.
- 5.4.2 Spark test: After the lining work spark test at the rate of 4KV/mm shall be conducted by the Contractor. Necessary repair/modification shall be done by the Contractor at no extra cost to IREL.
- 5.5 After the agitator and grid plate assemblies are installed on the tanks, they shall be mechanical run tested for smooth operation. The agitator shall be run for a minimum of 8 hours' time with tank full of water up to working level. There should be no undue noise and heating of bearing housing, gear or motor.
- 5.6 The Contractor's representative must be present during the performance trials. Any defects noticed must be rectified by providing suitable modifications or additional provisions for smooth and reliable operation. On satisfactory completion of the performance test as stipulated above, the tank and accessories will be accepted by IREL.
- 5.7 The date of acceptance of the tank and accessories as well as completion of work as per Work order shall be considered as the date of satisfactory completion of the performance test.

### **6.0 TECHNICAL SPECIFICATION FOR REPAIR OF RCC FOOTING FOR MS TANK**

Scope of work covers:

- Chipping & removing damaged concrete layer, de-bonded concrete, cracked portion, loose concrete in RCC leg footing of MS tank etc, to a minimum depth of 25mm behind the existing corroded/damaged MS foundation bolt / reinforcement to a required depth using chisel & hammer / concrete breaker machine in low vibration mode and removing rust particles by using wire brush, scrapper & water washing to completely remove dust, debris, unwanted particles, final cleaning shall be done using rust cleaner/ remover etc.
- Anchoring of new re-bars in RCC footings wherever required by using pure epoxy resin anchoring mortar (Master flow 935 of BASF or equivalent FOSROC/SIKA/HILTI) with appropriate diameter of

drilling of holes required for proper bonding into the concrete etc., complete or providing new MS bolts with sufficient lap length with existing bolts by welding suit / depending on site condition.

a) 16 mm dia bar - drilling length of 160-180mm

- After completely removing the rust from the re-bars, apply one coat of anti-corrosive zinc rich primer all-round the existing re-bar & new-rebar (if added in case the loss of re-bar dia is more than 10% of the original size). After that, apply one coat of epoxy bonding compound/agent over the existing concrete surface - for bonding between old concrete to the new substrate.
- Providing leak proof shuttering made-up using MS shutters/plywood with necessary supports to pour micro concrete in the locations to be repaired in RCC footing. The shuttering shall be made, fitted at site, remove and re-fix after application of bonding compound to facilitate pouring of micro-concrete within the setting time of bonding compound. All site constraints such as MS cable tray/Pipe tray, HDPE pipe lines, platform angles shall be identified & suitably modified before placing the shuttering.
- Providing micro concrete of M40 grade (minimum) to suit the same lines & level of the original structure using leak-proof shuttering. The pouring of the micro-concrete shall be completed well before the curing time of epoxy bonding compound (as specified by the manufacturer). After removal of shuttering in RCC foundation / micro-concreted the same area shall be covered using jute cloth and water curing to be done as directed or by applying acrylic resin based curing compound.
- Supply & fixing MS bolts & nut, washer plate suitable for foundation (MS Round bar – 20mm/ 25mm dia, thread at top @ 150mm, min 1 no per leg) at top of RCC footing suit to existing site condition and as directed by Engineer In Charge. Suitable templates have to be made & fix before concreting to keep the spacing & level of foundation bolts in proper line & levels.
- Providing Non shrinkage grouting 50 mm thick at top of foundation finished smooth with trowel, proper line & level. The material shall be Fosroc GP or equivalent BASF / SIKA.
- Providing Epoxy / PU coating over the footing and floor area, bund/brick wall, tank leg foundation (about 30cm from floor) using approved make of as per manufacturer recommendation, after proper surface preparation including thorough cleaning to remove any loose plaster, dirt, grease etc., grinding (wherever required) etc., and priming with suitable primer. T
- All debris generated while cleaning shall be disposed at our disposal/scrap yard within a distance of 500m inside the company premises.

#### LIST OF APPROVED MATERIALS:

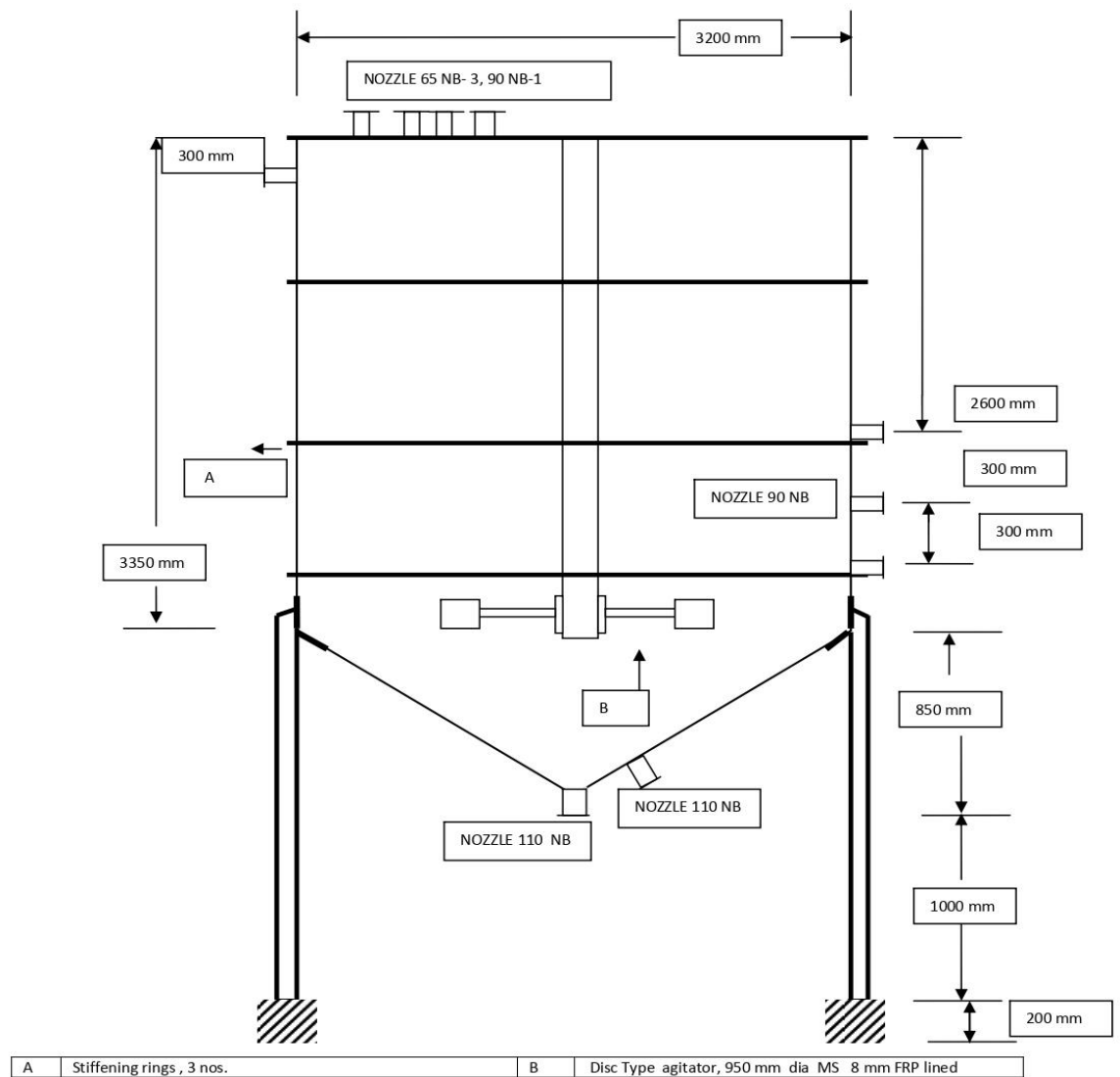
1.	Reinforcement	SAIL/TATA/TISCO/ VIZAG/RINL/ ESSAR/ JINDAL/JSW
2.	Micro Concrete	BASF/FOSROC/SIKA/PIDILITE
3.	Rust Remover	FOSROC/BASF/SIKA
4.	Rebar anchoring mortar	Master flow 935 of BASF or equivalent FOSROC/SIKA/HILTI
5.	Epoxy zinc rich primer	FOSROC/BASF/SIKA
6.	Epoxy bonding compound	BASF/FOSROC/SIKA/PIDILITE
7.	Acrylic curing compound	Masterkure181 of BASF make or equivalent FOSROC /SIKA
8.	Non shrinkage grouting mortar	Fosroc GP or equivalent BASF / SIKA.
9	PU / Epoxy chemical resistant coating	BASF / SIKA / FOSROC

<b>TECHNICAL DATA SHEET</b> <b>30 m<sup>3</sup> capacity conical bottom MSFRP Tank</b>		
1	Type	Vertical cylindrical with conical bottom complete with cover plate and supports.
2	Capacity	30m <sup>3</sup>
3	Quantity	2 No.
4	Inside Diameter	3.2 m
5	Vertical height	3.35 m
6	Conical height	0.850 m
7	Specific gravity	Slurry Mixture: 1.20 to 1.60; Liquid: 0.997-1.40; Solid: 2.6-2.7.
8	Nature of slurry / solution to be handled	Acidic in nature
9	Operating conditions	Ambient temperature and Atmospheric pressure
10	Design Temp./Pressure	55-degree C / hydrostatic
11	Material of Construction (M.o.C) & other details	
a	Shell, Top Cover and Bottom	MS as per IS2062+FRP lining as per specification with FRP Feed tray/hopper and grid on the top cover as per the attached drawings.
b	Internals	MS as per IS 2062 + inside 5 mm thick FRP
c	Baffles	MS as per IS 2062 + inside 5mm thick FRP, 4 nos., 2700 mm x 150 mm as per the attached drawings
d	Nozzles	6 Nos., MS as per IS2062+inside 5mm thick FRP lining as per the attached drawings
e	Gaskets	Flexible PVC
f	Bridge & leg supports	Minimum ISMC 200
12	<b>Plate thickness</b>	
a.	Conical	8 mm
b.	Shell	6 mm
c.	Top cover	6 mm
13	<b>Agitator</b>	
a.	Type	MS as per IS2062+8 mm thick FRP lining
b.	Drive Motor power requirement / RPM	Standard disc type agitator 950 mm dia
c.	Gear ratio	<b>15 HP / 1440 RPM</b>
d.	M.o.C, Impeller	<b>20:1</b>
f.	M.o.C, Shaft	MS as per IS2062+ 8mm thick FRP lining
g.	Coupling-Gear to Agitator	EN8 +8mm thick FRP lining
		Rigid

<b>TECHNICAL DATA SHEET</b> <b>18m<sup>3</sup> capacity conical bottom MSFRP Tank</b>		
1.	Type	Vertical cylindrical with conical bottom complete with cover plate and supports.
2	Capacity	18 M3
3	Quantity	2 Nos.
4	Inside Diameter	2.90 m
5.	Vertical height	2.45 m
6.	Conical height	0.80 m
7	Specific Gravity	Slurry Mixture: 1.20 to 1.60; Liquid: 0.997-1.40; Solid: 2.6-2.7
	Nature of slurry / solution to be handled	Acidic in nature
8	Operating conditions	55-degree C / hydrostatic
9	Design Temp./Pressure	Ambient temperature and Atmospheric pressure
10	Material of Construction(M.o.C) & other details	
a	Shell, Top Cover and Bottom	MS as per IS2062+FRP lining as per specification with FRP Feed tray/hopper and grid on the top cover as per the attached drawings.
b	Internals	MS as per IS 2062 + inside 5 mm thick FRP
c	Baffles	MS as per IS 2062 + inside 5 mm thick FRP, 4 nos., 1900 mm x 100 mm as per the attached drawings
d	Nozzles	6 Nos., MS as per IS2062+inside 5mm thick FRP lining as per the attached drawings
e	Gaskets	Flexible PVC
f	Bridge & leg supports	Minimum ISMC 200
<b>11</b>	<b>Plate thickness</b>	
a.	Conical	8 mm
b.	Shell	6 mm
c.	Top cover	6 mm
<b>12</b>	<b>Agitator</b>	MS as per IS2062+8mm thick FRP lining
a.	Type	Disc Type agitator, 950 mm dia MS 8 mm FRP lined
b.	Drive Motor power requirement / RPM	<b>10 HP / 1440 RPM</b>
c.	Gear ratio	<b>20:1</b>
d.	M.o.C, Impeller	MS as per IS2062+8mm thick FRP lining
f.	M.o.C, Shaft	EN8 +8 mm thick FRP lining
g.	Coupling-Gear to Agitator	Rigid

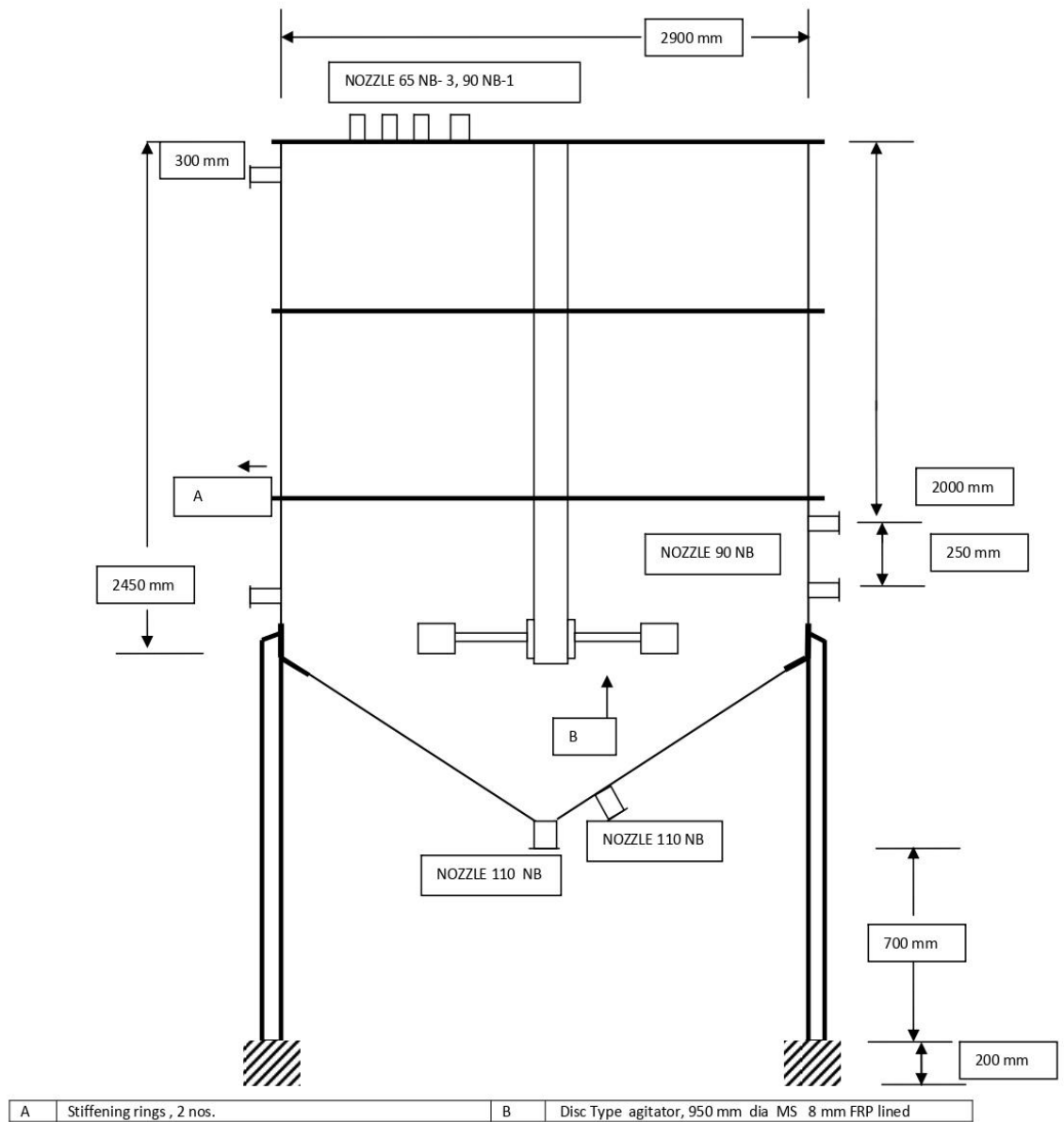
<b>TECHNICAL DATA SHEET</b>		
<b>10m<sup>3</sup> capacity conical bottom MSFRP Tank</b>		
1.	Type	Vertical cylindrical with conical bottom complete with cover plate and supports.
2	Capacity	10 M3
3	Quantity	1No.
4	Inside Diameter	2.15 m
5.	Vertical height	2.6 m
6.	Conical height	0.55 m
7	Specific Gravity	Slurry Mixture: 1.20 to 1.60; Liquid: 0.997-1.40; Solid: 2.6-2.7
	Nature of slurry / solution to be handled	Acidic/Alkali in nature
8	Operating conditions	55-degree C / hydrostatic
9	Design Temp./Pressure	Ambient temperature and Atmospheric pressure
10	Material of Construction(M.o.C) & other details	
a	Shell, Top Cover and Bottom	MS as per IS2062+FRP lining as per specification with FRP Feed tray/hopper and grid on the top cover as per the attached drawings.
b	Internals	MS as per IS 2062 + inside 5 mm thick FRP
c	Baffles	MS as per IS 2062 + inside 5 mm thick FRP, 4 nos., 1700 mm x 100 mm as per the attached drawings
d	Nozzles	6 Nos., MS as per IS2062+inside 5mm thick FRP lining as per the attached drawings
e	Gaskets	Flexible PVC
f	Bridge & leg supports	Minimum ISMC 200
<b>11</b>	<b>Plate thickness</b>	
a.	Conical	8 mm
b.	Shell	6 mm
c.	Top cover	6 mm
<b>12</b>	<b>Agitator</b>	MS as per IS2062+8mm thick FRP lining
a.	Type	Disc Type agitator, 700 mm dia MS 8 mm FRP lined.
b.	Drive Motor power requirement / RPM	<b>7.5 HP / 1440 RPM</b>
c.	Gear ratio	<b>20:1</b>
d.	M.o.C, Impeller	MS as per IS2062+8mm thick FRP lining
f.	M.o.C, Shaft	EN8 +8 mm thick FRP lining
g.	Coupling-Gear to Agitator	Rigid

<b>TECHNICAL DATA SHEET</b>		
<b>13 m<sup>3</sup> capacity flat bottom MSFRP Tank</b>		
1.	Type	Vertical cylindrical with flat bottom complete with cover plate and supports.
2	Capacity	13 M3
3	Quantity	1No.
4	Inside Diameter	2.3 m
5.	Vertical height	320 m
7	Specific Gravity	Slurry Mixture: 1.20 to 1.60; Liquid: 0.997-1.4;Solid: 2.6-2.7
	Nature of slurry / solution to be handled	Acidic/alkali in nature
8	Operating conditions	55-degree C / hydrostatic
9	Design Temp./Pressure	Ambient temperature and Atmospheric pressure
10	Material of Construction(M.o.C) & other details	
a	Shell, Top Cover and Bottom	MS as per IS2062+FRP lining as per specification with FRP Feed tray/hopper and grid on the top cover as per the attached drawings.
b	Internals	MS as per IS 2062 + inside 5 mm thick FRP
c	Baffles	MS as per IS 2062 + inside 5 mm thick FRP, 4 nos., 2500 mm x 100 mm as per the attached drawings
d	Nozzles	3 Nos., MS as per IS2062+inside 5mm thick FRP lining as per the attached drawings
e	Gaskets	Flexible PVC
f	Bridge & supports	Minimum ISMC 200
<b>11</b>	<b>Plate thickness</b>	
b.	Shell	6 mm
c.	Top cover	6 mm
<b>12</b>	<b>Agitator</b>	MS as per IS2062+8mm thick FRP lining
a.	Type	Disc Type agitator, 700 mm dia MS 8 mm FRP lined
b.	Drive Motor power requirement / RPM	<b>7.5 HP / 1440 RPM</b>
c.	Gear ratio	<b>20:1</b>
d.	M.o.C, Impeller	MS as per IS2062+8mm thick FRP lining
f.	M.o.C, Shaft	EN8 +8 mm thick FRP lining
g.	Coupling-Gear to Agitator	Rigid

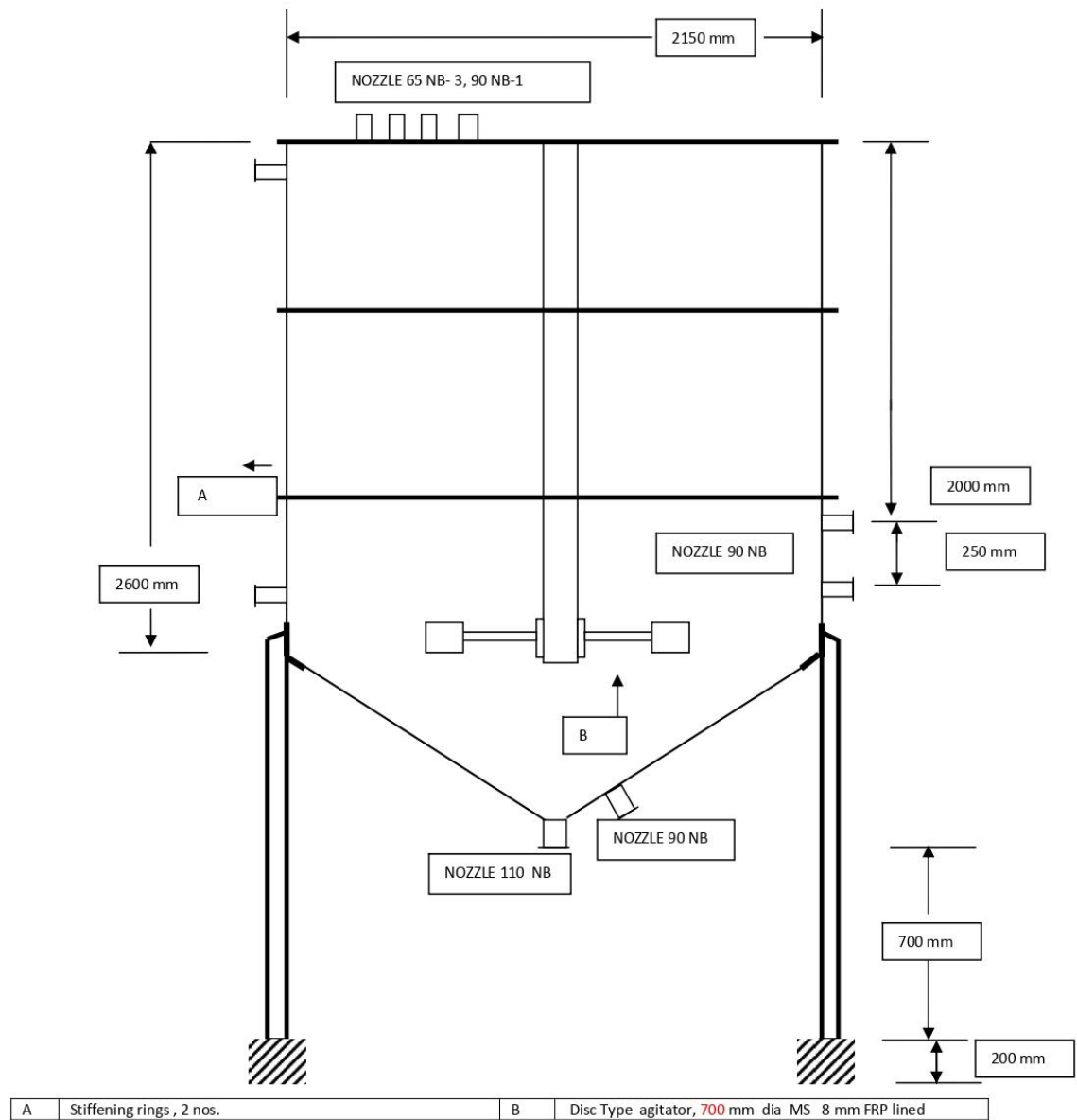
**TANK 30 m3 Capacity**



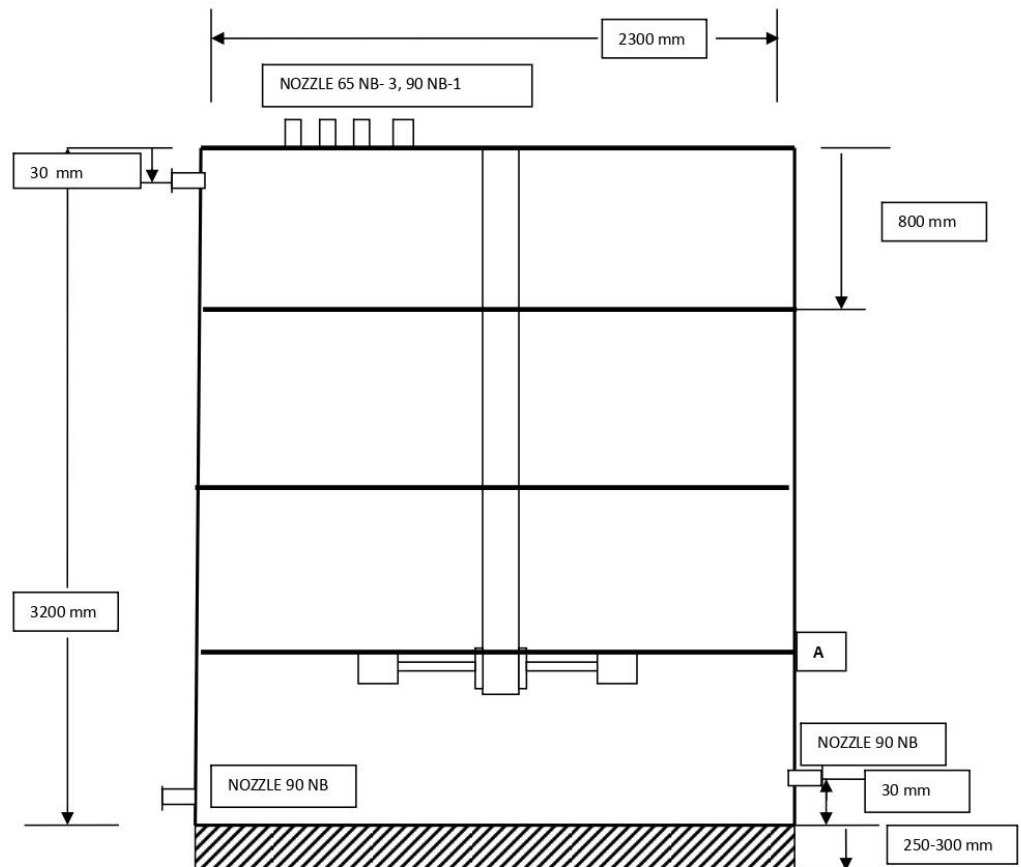
**TANK 18 m3 Capacity**



**TANK 10 m3 Capacity**



**Flat bottom tank 13 m3 Capacity**



A	Stiffening rings , 3 nos.	B	Disc Type agitator, 700 mm dia MS 8 mm FRP lined
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**BILL OF QUANTITIES (BOQ)**

Sl. No.	Description of work	Quantity	Unit
1	Fabrication and supply of 30 M <sup>3</sup> MS conical bottom tanks with agitator along with all accessories as per scope of work, attached technical sheet and approved drawing	2	No.
2	Fabrication and supply of 18 M <sup>3</sup> MS conical bottom tank with agitator along with all accessories as per scope of work, attached technical sheet and approved drawing	2	No.
3	Fabrication and supply of 10 M <sup>3</sup> MS conical bottom tank with agitator along with all accessories as per scope of work, attached technical sheet and approved drawing	1	No.
4	Fabrication and supply of 13 M <sup>3</sup> MS flat bottom tank with agitator along with all accessories as per scope of work, attached technical sheet and approved drawing.	1	No.
5	Dismantling of existing 2 nos. 30 M <sup>3</sup> , 2 no. 18 M <sup>3</sup> , 1 no. 10M <sup>3</sup> conical bottom tanks and 1 no. 13 M <sup>3</sup> Flat bottom tank with agitators along with all accessories. Cutting of tank platform & associated structures, removal of asbestos sheets if required for dismantling of the existing tanks and shifting of all dismantled items at the designated place within 500m. Opening of all flanges, pipes, fittings, electrical connections, instrument connections, any other works as per scope of work and required for dismantling the existing tanks.	1	Lump sum
6	Dismantling of damaged leg footing of all 6 tanks (2 nos. 30 M <sup>3</sup> , 2 no. 18 M <sup>3</sup> , 1 no. 10M <sup>3</sup> and 1 No. 13 M <sup>3</sup> ) and repair of the same as per scope of work and Sl. No. 6 of Technical Requirements and disposal of removed material at designated place within 700m.	1	Lump sum
7	Erection and FRP lining of 30 M <sup>3</sup> MS conical bottom tanks as per scope of work	2	No.
8	Erection and FRP lining of 18 M <sup>3</sup> MS conical bottom tanks as per scope of work.	2	No.
9	Erection and FRP lining of 10 M <sup>3</sup> MS conical bottom tanks as per scope of work	1	No.
10	Erection and FRP lining of 13 M <sup>3</sup> MS flat bottom tanks as per scope of work	1	No.

11	Commissioning of 30 M3 conical bottom tanks with agitator along with all accessories as per scope of work. Re-fixing of all flanges, pipes, fittings, electrical connections, instrument connections, platform modification, asbestos fixing etc. and any other works as per scope of work required for commissioning of the tanks complete in all respects.	2	No.
12	Commissioning of 18 M3 conical bottom tanks with agitator along with all accessories as per scope of work. Re-fixing of all flanges, pipes, fittings, electrical connections, instrument connections, platform modification, asbestos fixing etc. and any other works as per scope of work required for commissioning of the tanks complete in all respects.	2	No.
13	Commissioning of 10 M3 conical bottom tanks with agitator along with all accessories as per scope of work. Re-fixing of all flanges, pipes, fittings, electrical connections, instrument connections, platform modification, asbestos fixing etc. and any other works as per scope of work required for commissioning of the tanks complete in all respects	1	No.
14	Commissioning of 13 M3 flat bottom tanks with agitator along with all accessories as per scope of work. Re-fixing of all flanges, pipes, fittings, electrical connections, instrument connections, platform modification, asbestos fixing etc. and any other works as per scope of work required for commissioning of the tanks complete in all respects	1	No.

GENERAL CONDITIONS OF CONTRACT (GCCO)**Table of contents**

SI No.	PARTICULARS
1.1	DEFINITION OF TERMS
1.2	INTERPRETATIONS & PRIORITY OF CONTRACT DOCUMENTS
1.3	SPECIAL CONDITIONS OF CONTRACT
2.1	FORMATION OF CONTRACT
2.2	SIGNING OF AGREEMENT
2.3	ADDENDA/ CORRIGENDA
2.4	SITE VISIT
2.5	CONFLICT OF INTEREST
2.6	ABNORMAL RATES
2.7	GENERAL OBLIGATIONS OF SERVICE PROVIDER
2.8	SERVICE PROVIDER'S REPRESENTATIVE & PERSONNEL
2.9	SERVICE PROVIDER'S EMPLOYEES / PERSONNEL
2.10	CONTRACT PERFORMANCE SECURITY (CPS):
2.11	FAILURE BY THE SERVICE PROVIDER TO COMPLY WITH THE PROVISIONS OF THE CONTRACT
2.12	SERVICE PROVIDER REMAINS LIABLE TO PAY COMPENSATION IF ACTION NOT TAKEN UNDER CLAUSE 2.11
2.13	CHANGE IN CONSTITUTION
2.14	TERMINATION OF CONTRACT
2.15	AMOUNT PAYABLE IN CASE OF TERMINATION:
2.16	MEMBERS OF THE EMPLOYER NOT INDIVIDUALLY LIABLE
2.17	EMPLOYER NOT BOUND BY PERSONAL REPRESENTATIONS
2.18	FORCE MAJEURE
2.19	LIQUIDATED DAMAGES FOR DELAYED EXECUTION OF CONTRACT
2.20	ASSIGNMENT/SUBLET
2.21	DELAYS BY EMPLOYER OR HIS AUTHORISED REPRESENTATIVE
2.22	NO WAIVER OF RIGHTS
2.23	CERTIFICATE NOT TO AFFECT RIGHT OF EMPLOYER AND LIABILITY OF SERVICE PROVIDER
2.24	LANGUAGE AND MEASURES
2.25	RELEASE OF INFORMATION
2.26	COMPLETION PERIOD, CONTRACT PERIOD AND COMPLETION OF CONTRACT
2.27	INDEPENDENT CAPACITY
2.28	NOTICE
2.29	CONFIDENTIALITY
2.30	INTELLECTUAL PROPERTY RIGHT
3.1	EXECUTION OF SERVICES
3.2	CHANGES IN SERVICES
3.3	ACTION AND COMPENSATION IN CASE OF POOR SERVICE
3.4	SUSPENSION OF SERVICES
3.5	DEFECTS LIABILITY PERIOD
3.6	LIMITATION OF LIABILITY
3.7	INDEMNITY
3.8	DAMAGES TO PROPERTY, ANY PERSON AND THIRD PARTY
4.1	DEDUCTION FROM THE CONTRACT PRICE
4.2	SCHEDULE OF RATES AND PAYMENTS
4.3	PROCEDURE FOR BILLING OF SERVICES:
4.4	NOTICE OF CLAIMS FOR ADDITIONAL PAYMENTS
4.5	INSURANCE
4.6	TAXES AND DUTIES
4.7	INCOME TAX
4.8	STATUTORY VARIATIONS:
5.1	LABOUR LAWS
5.2	SAFETY REGULATIONS
5.3	FIRST AID AND INDUSTRIAL INJURIES
5.4	GENERAL RULES
5.5	CARE IN HANDLING INFLAMMABLE GAS
5.6	PRESERVATION OF PLACE
5.6	ENVIRONMENT
6.0	RESOLUTION OF DISPUTES/ ARBITRATION

## DEFINITIONS & INTERPRETATIONS

### SECTION - I

#### 1.1 Definition of Terms:

In this Contract (as defined here-in-after), save where the context otherwise requires, the following words and expressions shall have the meanings respectively assigned to them:

"Approved" means approval in writing including subsequent written confirmation of previous verbal approval(s).

The "Bid /Tender/Offer" means the proposal along with required supporting documents submitted by the Bidder/Service Provider for consideration by the Employer.

The "Bidder/Tenderer" means the person(s) / Firm / company /Corporation /Organization/entity, who participated in the Tender.

"Completion Certificate" means the certificate to be issued by the Engineer In-charge (EIC) when the Services have been completed entirely in accordance with Contract.

"Completion Date" means the date of actual completion of the services by the Service Provider as certified by the Employer.

"Contract" means an agreement between Employer and the Service Provider/Supplier for execution of the Service(s) as per Contract Documents and its subsequent amendment(s), if any in writing thereto.

"Contract Documents" means collectively the Tender Documents, Designs, Drawings, Scope of Services, Specifications, Schedule of Rates (SOR), Letter of Acceptance and agreed variations if any, and such other documents constituting the tender and acceptance thereof.

"Day" means a calendar day of 24 hours from midnight to midnight irrespective of the number of hours serviced in that day.

"Demobilization" means removal of all equipment, machinery, manpower from the site after completion of the services with the due permission of EIC.

"Drawings" means and include all Engineering sketches, general arrangements/ layout drawings, sectional plans, all elevations, etc. related to the Contract together with modification and revision thereto.

The "Employer/Service Receiver/ Company/Owner" means IREL (India) Limited, a Public Sector Undertaking, incorporated under the Company's Act 1956 and having its Registered office at Plot No. 1207, Veer Savarkar Marg, Prabhadevi, Mumbai, Maharashtra-400086 and includes its successors, assigns and Units.

The "Engineer-In-Charge" (EIC) means the person designated from time to time by Employer and shall include those who are expressly authorized by him to act for and on his behalf for operation/execution of this Contract for Services.

"Equipment/Materials/Goods" means and include all equipment, machinery, stores, goods which are required under the Contract for satisfactory performance of Services by the Service Provider.

"Fax of Acceptance" means intimation regarding notification of award by the Employer to the successful Bidder/Service Provider through a Fax/ Letter conveying that the Tender/ Bid/Offer has been accepted in accordance with the provisions contained therein.

"Guarantee/Warranty/ Defect Liability Period (DLP)" means the period and other conditions governing the warranty/ guarantee/ defect liability period of the services as provided in the Contract.

"Metric System": All technical documents are given in the metric system and all service should be carried out according to the metric system. All documents concerning the service shall also be maintained in the metric system.

"Mobilization" means stabilizing adequate infrastructure at designated Site comprising of Equipment, aids, tools, tackles, instruments, Goods & Materials, experienced manpower, supported with supervising personal in order to provide services as per the provision of Contract document.

"Negligence" means any act or failure to act (whether sole, joint or concurrent) by a person or an entity which was intended to cause, or which was reckless disregard of or wanton indifference to, avoidable and harmful consequences such person or entity knew, or should have known, would result from such act or failure to act. Notwithstanding the foregoing, negligence shall not include any action taken in good faith for the safeguard of life or property.

The "Service(s)" means and include all services and activities/jobs to be performed by the Service Provider in pursuant to and in accordance with Contract or part thereof as the case may be and shall include all extra, additional, altered or substituted services and approvals from any agency/third party & license(s)/permissions from statutory authorities (if any), as required for purpose of the Contract.

The "Service Provider" means Bidder/Tenderer whose tender has been accepted by the Employer and includes the Service Provider's legal representative(s), his successor(s) and permitted assign(s).

"Service Provider's/ Bidder's Representative" means such person(s) duly authorized by the Bidder/Service Provider in writing to the Employer as having authority to act for and on behalf of the Bidder /Service Provider in matters affecting the Services and to provide the requisite services to Employer.

"Site" means the place(s) provided by the Employer where the Services are to be carried out/executed and any other place(s) as may be specifically designated in the Contract as forming part of the site.

"Specifications" means and include detailed description, statements to technical data, performance characteristics, and standards (Indian as well as International) as applicable and as specified in the Contract.

The "Sub-Service Provider" means any person / firm / Organization / company /entity (other than the Service Provider) and its legal representatives, successors and permitted assigns named in the Contract as a Sub-Service Provider for a part of the Services or to whom a part of the Services has been sub-Contracted with the written prior consent of the Employer.

"Value of Contract" or "Total Contract Price" means the sum accepted or the sum calculated in accordance with the prices accepted in the Contract as payable to the Service Provider for the entire execution and full completion of the service, including Amendment(s) to Contract, if any.

"Week" means a period of any consecutive seven Days.

"Willful Misconduct" means intentional disregard of good and prudent standards of performance or proper conduct under the Contract with knowledge that it is likely to result in any injury to any person or loss or damage of property.

"Working Day" means any Day which is not declared by the Employer to be holiday or off-day.

## 1.2 INTERPRETATIONS & PRIORITY OF CONTRACT DOCUMENTS

1.2.1 The documents forming the Contract are to be read together and interpreted as mutually explanatory of one another. If there is a direct inconsistency in specific obligation(s), then for the purposes of interpretation, and unless otherwise provided in the Contract, the priority of the Contract Documents shall be in accordance with following sequence:

- i) The Contract Agreement
- ii) Detailed Letter of Acceptance along with its enclosures
- iii) Fax of Acceptance
- iv) Scope of Works/ Job Specifications (specific to particular job only, wherever provided)
- v) Drawings
- vi) Special Conditions of Contract (SCC)
- vii) Technical Specifications (wherever applicable)
- viii) Instructions to Bidders (ITB)
- ix) General Conditions of Contract (GCC)
- x) Other Documents

Works shown in the Drawing but not mentioned in the Specifications or described in the Specifications without being shown in the Drawings shall nevertheless be deemed to be included in the same manner as if they had been specifically shown upon the Drawings and described in the Specifications. Any amendment/change order issued by Employer upon signing of formal Contract shall take precedence over respective clauses of the formal Contract and its annexures.

The higher priority interpretation shall be adopted only to the extent required to deal with an inconsistency. Specific term(s) agreed take priority over general statement(s) and terms in Contract Document created at a later date govern over terms in earlier Contract Document. Subject to foregoing, the terms of the groups of documents set out above have equal importance within their group.

1.2.2 Headings and Marginal Notes: All headings and marginal notes to the clauses of these General Conditions of Contract or to the Specifications or to any other Tender Document are solely for the purpose of giving a concise indication and a summary of the contents thereof, and they shall never be deemed to be part thereof or be used in the interpretation thereof the Contract.

1.2.3 Singular and Plural: In Contract Documents unless otherwise stated specifically, the singular shall include the plural and vice versa wherever the context so requires.

1.2.4 Gender: Where the context so requires, words imparting the masculine gender shall also include the feminine gender and the neuter gender and vice versa.

1.2.5 Severability: Should any provision of this Contract be found to be invalid, illegal or otherwise not enforceable by any court of law, such finding shall not affect the remaining provision(s)/clause(s) hereto and they shall remain binding on the parties hereto.

## 1.3 SPECIAL CONDITIONS OF CONTRACT:

1.3.1 Special Conditions of Contract consisting of scope of services, specification of Services & items etc. shall be read in conjunction with the General Conditions of Contract, and any other documents forming part of this Contract wherever the context so requires.

1.3.2 Notwithstanding the sub-division of the documents into these separate sections and volumes every part of each section/volume shall be deemed to be supplementary to and complementary of every other part and shall be read with and into the Contract so far as it may be practicable to do so.

1.3.3 Where any portion of the General Condition of Contract is repugnant to or at variance with any provisions of the Special Conditions of Contract, unless a different intention appears the provisions of the Special Conditions of Contract shall be deemed to over-ride the provisions of the General Conditions of Contract and shall to the extent of such repugnancy, or variations, prevail.

1.3.4 Wherever it is mentioned in the Specifications that the Service Provider shall perform certain Service or provide certain facilities, it is understood that the Service Provider shall do so at his cost and the Value of Contract shall be deemed to have included cost of such performance and provisions, so mentioned.

1.3.5 The materials, design and services shall satisfy the relevant Standards, the Job Specifications contained herein and Codes referred to. Where the job specification stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied.

## 2.0 GENERAL INSTRUCTIONS & OBLIGATIONS

### 2.1 FORMATION OF CONTRACT:

2.1.1 Employer will be the sole judge in the matter of award of Contract and the decision of Employer shall be final and binding.

2.1.2 The acceptance of tender will be intimated to the successful Bidder by the Employer either by Fax / E - mail / Letter or like means defined as Service Contract (SC)

2.1.3 The Contract shall come into force on the date of SC and the same shall be binding on Employer and Service Provider.

### 2.2 SIGNING OF AGREEMENT:

2.2.1 The successful Tenderer/Service Provider shall be required to forward their acceptance of the SC within 15 days. In the event of failure on the part of the Service Provider to furnish their acceptance within the aforesaid stipulated period, the Earnest Money Deposit or initial Security Deposit/Performance Security Deposit (as available, preferably the later) will be forfeited and Employer may consider the Contract as terminated..

### 2.3 ADDENDA/CORRIGENDA:

2.3.1 Addenda/ Corrigenda to the Tender Documents incorporating modification(s) and clarification(s) to the Tender Document issued prior to the due date of bid submission shall become integral part of the Contract.

### 2.4 SITE VISIT

2.4.1 The Bidder/Service Provider shall be deemed to have visited the Site(s)/work centre(s) and familiarized itself while submitting the Tender. Non-familiarity with the Site conditions by the Bidder/ Service Provider will not be considered a reason either for extra claim(s) or for any delay in performance or any other claim in this regard.

### 2.5 CONFLICT OF INTEREST

During the currency of Contract and after its termination, the Service Provider and its affiliates, shall be disqualified from providing any goods, works or services for any project resulting from or closely related to the Services.

### 2.6 ABNORMAL RATES:

The Tenderer is expected to quote rate for each item after careful analysis of cost involved for the performance of the completed item considering all specifications and Conditions of Contract. In case, it is noticed that the rates quoted by the Tenderer for any item are unusually higher or unusually lower, it will be sufficient cause for the



rejection of the tender/bid unless the Employer is convinced about the reasonableness after scrutiny of the analysis for such rate(s) to be furnished by the Tenderer (on demand). In case of Abnormally High Rated (AHR) item(s), the same shall be dealt as deemed fit.

## 2.7 GENERAL OBLIGATIONS OF SERVICE PROVIDER:

Service Provider shall, in accordance with and subject to the terms and conditions of this Contract:

- 2.7.1 Perform the services in accordance with the Scope of Services /Specifications and Activity Schedule of the Tender Document and carry out its obligations with all due diligence and efficiency, in accordance with generally accepted professional techniques and practices and shall observe sound management practices and employ appropriate advance technology and safe methods. When completed, the job/services shall be fit for the purpose for which the services are intended as specifically defined in the Contract.
- 2.7.2 Provide all labour as required to provide the Service unless otherwise provided in the Scope of Services or Special Conditions of the Contract.
- 2.7.3 Perform all other obligations, jobs / services which are required by the terms of this Contract or which reasonably can be implied from such terms as being necessary for providing necessary service as per the Contract.
- 2.7.4 Be deemed to have satisfied himself before submitting his bid as to the correctness and sufficiency of its bid for the services required and of the rates and prices quoted, which rates and prices shall, except insofar as otherwise provided, cover all its obligations under the Contract.
- 2.7.5 Give or provide all necessary supervision during the performance of the services and as long thereafter within the warranty period/DLP as Employer may consider necessary for the proper fulfilling of Service Provider's obligations under the Contract.
- 2.7.6 Not disrupt the Services of the Employer being carried out by the Service Provider / and shall provide access for carrying out job/services to:  
-Employer's personnel(s), and /or  
-any other Contractor(s) / Service Provider(s) employed by Employer, and /or  
-personnel of public authority(ies)/third party(ies)
- 2.7.7 Further, the Service Provider shall execute the job carefully without causing damage to the existing facility(ies) and facility(ies) of third party(ies) and in case of such happening shall immediately bring to the notice of EIC..
- 2.7.8 Further, the coordination and inspection of the day-to-day job under the Contract shall be the responsibility of the Engineer-in-Charge (EIC). The EIC or his authorized representative including any statutory authority shall at all reasonable times, have full power and authority to access and inspect the Services wherever in progress either on the Site or at the Service Provider's premises/workshops and the Service Provider shall afford or procure every facility and assistance to carry out such inspection. Such Inspection shall not release the Service Provider from any obligation under the Contract.

## 2.8 SERVICE PROVIDER'S REPRESENTATIVE & PERSONNEL:

- 2.8.1 Service Provider shall appoint a person ("*Service Provider's Representative*") who shall be responsible for and authorized to represent it at all times during the progress of the Service and to receive and to act on any request made by Employer in the performance of the Service pursuant to the terms of this Contract.
- 2.8.2 Service Provider's Representative shall have full authority to represent and bind the Service Provider in relation to any matter concerning the Service Provider's performance of the services under the Contract and Employer shall be entitled to rely on all the decisions of the Service Provider's Representative as if they were the decisions of the Service Provider.
- 2.8.3 Service Provider's Representative shall supervise, coordinate and ensure the quality of all aspects of his obligations under this Contract. Service Provider shall not change its Representative without the prior approval of Employer.
- 2.8.4 Service Provider's Representative shall liaise with Employer for the proper coordination and timely completion of the Services and on any matter pertaining to the same.
- 2.8.5 Service Provider's Representative shall extend full cooperation to Employer's representatives/inspector in the manner required by them for supervision /inspection/ observation of equipment, material, procedures, performance, reports and records pertaining to Services.
- 2.8.6 Service Provider's Representative shall have complete charge of his personnel engaged in the performance of the Service and to ensure compliance of rules and regulations and safety practice.
- 2.8.7 If the Service Provider's Representative is found not acceptable to the EIC, the Service Provider shall, as soon as practicable, having regard to the requirement of replacing him, after receiving notice of such withdrawal, remove the representative and shall not thereafter employ him again on the Services in any capacity and shall replace him by another representative acceptable to the EIC.

## 2.9 SERVICE PROVIDER'S EMPLOYEES / PERSONNEL:

- (a) The Service Provider in connection with performing the Services and remedying of any defects, shall provide:  
(b) only such skilled and experienced personnel(s) in their respective areas; and such skilled, semi-skilled and un-skilled labour as is necessary for the proper and timely fulfilling of the Service Provider's obligations under the Contract.
- The Service Provider shall provide skilled / qualified / experienced personnel, if specified in the SCC /Scope of Work.
- While engaging the contractual manpower, Service Provider is required to make effort to provide opportunity of employment to the people belonging to Scheduled Castes and weaker sections of society also in order to have a fair representation of these sections.

## 2.10 CONTRACT PERFORMANCE SECURITY (CPS):

- 2.10.1 The Service Provider shall provide Contract Performance Security (CPS) to the Employer, within the scheduled date specified in the notification of award for an amount mentioned therein. The CPS shall be returned/refunded three months after Contract completion period and Defects Liability Period (DLP), if any. All costs associated with CPS shall be borne by the Service Provider. No charges or interest shall be payable by the Employer even if the CPS is in the form of a Demand Draft.
- 2.10.2 If the Service Provider or their employees /agents / representatives or Sub- Service Provider (if authorized by Employer) shall damage, break, deface or destroy any property /equipment belonging to the Employer or third party(ies) during the execution of this Contract, the same shall be made good by the Service Provider at his own expenses and in default thereof, the EIC may cause the same to be made good by other agencies and recover expenses from the Service Provider. The decision of EIC in this matter shall be final and binding on the Service Provider.
- 2.10.3 All compensation, claim or other sums of money payable by the Service Provider to the Employer under terms of this Contract may be deducted from or paid by the encashment of a sufficient part of his Contract Performance Security or from any sums which may be due or may become due to the Service Provider by the Employer on any account whatsoever and in the event of his CPS being reduced by reasons of any such deductions or sale of aforesaid, the Service Provider shall within ten days thereafter make good in form of bank draft(s)/BG (as the case may be) as aforesaid any sum or sums which may have been deducted from or realised by encashment of his CPS, or any part thereof. The Service Provider shall pay to the Employer on demand without protest any balance remaining due. In this regard no interest shall be payable by the Employer to Service Provider for such sum deposited as CPS.
- 2.10.4 The CPS deposit shall cover the entire Contract value including extra jobs/ services. As long as the CPS submitted at the time of award takes care of the extra jobs/ services executed and total executed value are within the awarded Contract price, there is no need for additional CPS. As soon as the total executed value is likely to exceed the ceiling of awarded Contract Value, the Service Provider should furnish additional CPS through DD or submit amendment to existing BG to effect the enhancement of CPS.

- 2.10.5 Failure of the successful bidder to comply with the requirements of Clause 2.10 shall constitute sufficient grounds for the annulment of the award, the forfeiture of CPS and any other actions or remedies available to the Employer.
- 2.11 **FAILURE BY THE SERVICE PROVIDER TO COMPLY WITH THE PROVISIONS OF THE CONTRACT:**
- 2.11.1 If the Service Provider refuses or fails to provide the Service or any part thereof with such diligence as will ensure its performance within the time specified in the Contract or extension thereof or fails to perform any of his obligation under the Contract or in any manner commits a breach of any of the provisions of the Contract it shall be open to the Employer at its option by written notice to the Service Provider:
- a) TO DETERMINE THE CONTRACT in which event the Contract shall stand terminated and shall cease to be in force and effect on and from the date appointed by the Employer on that behalf, whereupon the Service Provider shall stop forthwith any of the Service then in progress, except such Service as the Employer may, in writing, require to be done to safeguard any property or work or installations from damage, and the Employer, for its part, may take over the Service remaining unfinished by the Service Provider and complete the same through another service provider or by other means, at the risk and cost of the Service Provider, and any of his sureties if any, shall be liable to the Employer for any excess cost occasioned by such service having to be so taken over and obtained by the Employer over and above the cost at the rates specified in the schedule of quantities and rate/prices.
- b) WITHOUT DETERMINING THE Contract to take over the Service of the Service Provider or any part thereof and complete the same through other service provider or by other means at the risk and cost of the Service Provider. The Service Provider and any of his sureties are liable to the Employer for any excess cost over and above the cost at the rates specified in the Schedule of Quantities/rates, occasioned by such services having been taken over and completed by the Employer.
- 2.11.2 In such events of Clause 2.11.1(a) or (b) above, the following shall be applicable: -
- a) The whole or part of the Contract Performance Security furnished by the Service Provider is liable to be forfeited without prejudice to the right of the Employer to recover from the Service Provider the excess cost referred to in the sub-clause aforesaid. The Employer shall also have the right of taking possession and utilising in completing the services or any part thereof, such as materials, equipment and plants available at service site belonging to the Service Provider as may be necessary and the Service Provider shall not be entitled for any compensation for use or damage to such materials, equipment and plant.
- b) The amount that may have become due to the Service Provider on account of service already executed by him shall not be payable to him until after the expiry of Six (6) calendar months reckoned from the date of termination of Contract or from the taking over of the Service or part thereof by the Employer as the case may be, during which period the responsibility for faulty material or workmanship in respect of such services shall, under the Contract, rest exclusively with the Service Provider. This amount shall be subject to deduction of any amounts due from the Contract to the Employer under the terms of the Contract authorised or required to be reserved or retained by the Employer.
- 2.11.3 Before taking any action as per Clause 2.11.1(a) or (b) if in the judgment of the Employer, the default or defaults committed by the Service Provider is/are curable and can be cured by the Service Provider if an opportunity given to him, then the Employer may issue Notice in writing calling the Service Provider to cure the default within such time specified in the Notice.
- 2.11.4 The Employer shall also have the right to proceed or take action as per 2.11.1(a) or (b) above, in the event that the Service Provider becomes bankrupt, insolvent, compounds with his creditors, assigns the Contract in favour of his creditors or any other person(s) or being a company or a corporation goes into voluntary liquidation, provided that in the said events it shall not be necessary for the Employer to give any prior notice to the Service Provider.
- 2.11.5 Termination of the Contract as provided for in sub-clause 2.11.1(a) above shall not prejudice or affect their rights of the Employer which may have accrued up to the date of such termination.
- 2.12 **SERVICE PROVIDER REMAINS LIABLE TO PAY COMPENSATION IF ACTION NOT TAKEN UNDER CLAUSE 2.11**  
If in any case in which any of the powers conferred upon the Employer by clause 2.11 thereof shall have become exercisable and the same had not been exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any further case of default by the Service Provider for which by any clause or clauses hereof he is declared liable to pay compensation amounting to the whole of his Contract Performance Security, and the liability of the Service Provider for past and future compensation shall remain unaffected. In the event of the Employer putting in force the power under above sub-clause 2.11 (a) or 2.11 (b) vested in him under the preceding clause he may, if he so desired, take possession of all or any tools and plants, materials and stores at the site thereof belonging to the Service Provider or procured by him and intended to be used for the execution of the Service or any part thereof paying or allowing for the same in account at the Contract rates or in case of these not being applicable, at current market rates to be certified by the EIC whose certificate thereof shall be final, otherwise the EIC may give notice in writing to the Service Provider or Service Provider's Representatives requiring him to remove such tools, plant, materials or stores from the premises (within a time to be specified in such notice). Failure of any action by the Service Provider for removal of material/tools/plant/store etc. within the period mentioned in notice of EIC, the Employer shall also be entitled to recover handling and storage charges @ 5% of the estimated value of material tools/plant/store for each month or part of a month without relieving the Service Provider from any other related liability.
- In the event of the Service Provider's failure to remove the same within a period of 6 months or as decided by the EIC, the EIC may take action for removal through auction or private sale on behalf of the Service Provider and at his risk in all respects. The Service Provider shall be liable to pay the Employer the handling & storage charges per month or a part of the month from the date of serving the notice by the EIC to the date of removal of the materials by the Employer plus overhead charges @ 15% of sale value of such materials. In case of negative or zero sale value, the overhead charges shall be applicable on the handling & storage charges. The decision of EIC w.r.t. such removal and the amount of the proceeds shall be final and binding on the Service Provider.
- 2.13 **CHANGE IN CONSTITUTION:**  
Where the Service Provider is a partnership firm, the prior approval of the Employer shall be obtained in writing, before any change is made in the constitution of the firm. Where the Service Provider is an individual or a Hindu undivided family business concern, such approval as aforesaid shall, likewise be obtained before such Service Provider enters into any agreement with other parties, where under, the reconstituted firm would have the right to carry out the service hereby undertaken by the Service Provider. In either case if prior approval as aforesaid is not obtained, the Contract shall be deemed to have been allotted in contravention of clause 2.20 hereof.
- 2.14 **TERMINATION OF CONTRACT:**
- 2.14.1 **TERMINATION OF CONTRACT FOR DEATH**  
If the Service Provider is an individual or a proprietary concern and the individual or the proprietor dies or if the Service Provider is a partnership concern and one of the partner dies then unless, the Employer is satisfied that the legal representative of the individual or the proprietary concern or the surviving partners are capable of carrying out and completing Contract, the Employer is entitled to cancel the Contract for the uncompleted part without being in any way liable for any compensation payment to the estate of the deceased Service Provider and/or to the surviving partners of the Service Provider's firm on account of the cancellation of Contract. The decision of the Employer/EIC in such assessment shall be final & binding on the parties. In the event of such cancellation, the Employer shall not hold the estate of the deceased Service Provider and/or the surviving partners of Service Provider's firm liable for any damages for non-completion of the Contract.
- 2.14.2 **TERMINATION OF CONTRACT IN CASE OF LIQUIDATION / BANKRUPTCY, ETC.**  
If the Service Provider shall dissolve or become bankrupt or insolvent or cause or suffer any receiver to be appointed of his business or any assets thereof compound with his Creditors, or being a corporation commence to be wound up, not being a member's voluntary winding up for the purpose of amalgamation or reconstruction, or carry on its business under a Receiver for the benefits of its Creditors any of them, Employer shall be at liberty to terminate the Contract forthwith upon coming to know of the happening of any such event as aforesaid by notice in writing to the Service Provider or to give the Receiver or Liquidator or other person, the option of carrying out the Contract subject to his providing a guarantee up to an amount to be agreed upon by the Employer for due and faithful performance of the Contract.
- 2.14.3 **TERMINATION OF CONTRACT FOR CORRUPT / FRAUDULENT / COLLUSIVE / COERCIVE PRACTICES AND NON-PERFORMANCE**  
If the Bidder/Service Provider is found to have indulged in Corrupt/ Fraudulent / Collusive/ Coercive practices, the Contract shall be terminated and the Bidder/Service Provider shall be banned for future business with IREL.

- 2.14.4 **TERMINATION FOR CONVENIENCE**  
Notwithstanding anything contained in the Contract, the Employer may, by 30 (Thirty) days written notice, terminate the Contract in whole or in part.  
In case of such termination, the obligation of the Employer to pay, shall be limited to the extent of work/job completed by the Service Provider as per provision of the Contract up to the date of termination, subject to the Service Provider complying with other terms of the Contract.  
Notwithstanding the termination of the Contract, the parties shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination.
- 2.15 **AMOUNT PAYABLE IN CASE OF TERMINATION:**  
In all cases of termination herein set forth, the obligation of the Employer to pay, shall be limited to the extent of service rendered by Service Provider as per provision of the Contract up to the date of termination, subject to the Service Provider complying with other terms of the Contract. Notwithstanding the termination of the Contract, the parties shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination.
- 2.16 **MEMBERS OF THE EMPLOYER NOT INDIVIDUALLY LIABLE:**  
No Director, or official or employee of the Employer shall in any way be personally bound or liable for the acts or obligations of the Employer under the Contract or answerable for any default or omission in the observance or performance of any of the acts, matters or things which are herein contained.
- 2.17 **EMPLOYER NOT BOUND BY PERSONAL REPRESENTATIONS:**  
2.17.1 The Service Provider shall not be entitled to any increase on the scheduled rates or any other right or claim whatsoever by reason of any representation, explanation statement or alleged representation, promise or guarantees given or alleged to have been given to him by any person.
- 2.18 **FORCE MAJEURE:**  
2.18.1 Force majeure is an event beyond the control of contractor and not involving the contractor's fault or negligence and which is not foreseeable. Such events may include, but are not restricted to acts of the purchaser/contractor either in its sovereign or contractual capacity, wars or revolution, hostility, acts of public enemy, civil commotion, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts and freight embargoes or any other event which IREL may deem fit to consider so. The decision about force majeure shall rest with IREL which shall be final and binding.  
2.18.2 If there is delay in performance or other failures by the contractor to perform obligations under its contract due to event of a Force Majeure, the Service Provider shall not be held responsible for such delays/failures.  
2.18.3 If a Force Majeure situation arises, the Service Provider shall promptly notify the purchaser in writing of such conditions and the cause thereof within fifteen days of occurrence of such event. Unless otherwise directed by the EMPLOYER in writing,  
2.18.4 the Service Provider shall continue to perform its obligations under the contract as far as reasonable/practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.  
2.18.5 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period of exceeding 120 days, IREL may at its option terminate the contract without any financial repercussion on either side.
- 2.19 **LIQUIDATED DAMAGES FOR DELAYED EXECUTION OF CONTRACT:**  
If the Service Provider fails to perform the services within the time period(s) specified in the CONTRACT, the EMPLOYER shall, without prejudice to his other remedies under the CONTRACT, levy Liquidated damages from the CONTRACT PRICE, a sum calculated on the basis of the CONTRACT PRICE, including subsequent modifications.  
Deductions shall apply as per following formula:  
Half percent (0.5%) of the contract value per week of delay subject to a maximum of ten percent (10%) of contract value.  
EMPLOYER may deduct the amount so payable by Service Provider, from any amount falling due to the Service Provider or by recovery against the Performance Guarantee. Both Service Provider and EMPLOYER agree that the above percentages of price reduction are genuine pre-estimates of the loss/damage which the EMPLOYER would have suffered on account of delay/breach on the part of the Service Provider and the said amount will be payable on demand without there being any proof of the actual loss/or damage caused by such breach/delay. A decision of the EMPLOYER in the matter of applicability of price reduction shall be final and binding.
- 2.20 **ASSIGNMENT/SUBLET:**  
2.20.1 The Service Provider shall not, save with previous written consent of the Engineer-in-charge, sublet, transfer or assign the Contract or any part thereof or interest therein or benefit or advantage thereof in any manner whatsoever. Provided, nevertheless, that any such consent shall not relieve the Service Provider from any obligation, duty or responsibility under the Contract.  
2.20.2 The basic scope of Services cannot be sublet. However, on specific request of the Service Provider and subject to written consent of Employer, the Service Provider may sublet allied/incidental jobs related to the Services. Such consent shall not relieve the Service Provider from any obligation, duty or responsibility under the Contract and Service Provider shall be fully responsible for the Services hereunder and the execution and performance of the Contract.  
2.20.3 Sub-letting of whole Contract is prohibited. An undertaking to this effect will be given by Service Provider along with each invoice/ bill.
- 2.21 **DELAYS BY EMPLOYER OR HIS AUTHORISED REPRESENTATIVE:**  
2.21.1 In case the Service Provider's performance is delayed due to any act or omission on the part of the Employer or his authorized Representative, then the Service Provider shall be given due extension of time for the completion of the Service, to the extent such omission on the part of the Employer has caused delay in the Service Provider's performance of his Services.  
2.21.2 No adjustment in Contract Price shall be allowed for reasons of such delays and extensions granted except as provided in Tender Document, where the Employer reserves the right to seek indulgence of Service Provider to maintain the agreed Time Schedule of Completion. In such an event the Service Provider shall be obliged to provide Service for additional time beyond stipulated time including Off-days / Holidays or by enhancing resources to achieve the completion date/interim targets.
- 2.22 **NO WAIVER OF RIGHTS:**  
2.22.2 None of the terms and conditions of this Contract shall be deemed waived by either party unless such waiver is executed in writing by the duly authorized representative of both the parties.
- 2.23 **CERTIFICATE NOT TO AFFECT RIGHT OF EMPLOYER AND LIABILITY OF SERVICE PROVIDER:**  
2.23.1 No interim payment certificate(s) issued by the EIC of the Employer, nor any sum paid on account by the Employer, nor any extension of time for execution of the service granted by Employer shall affect or prejudice the rights of the Employer against the Service Provider or relieve the Service Provider of his obligations for the due performance of the Contract, or be interpreted as approval of the Service done and no certificate shall create liability for the Employer to pay for alterations, amendments, variations or additional services not ordered, in writing, by Employer or discharge the liability of the Service Provider for the payment of damages whether due, ascertained, or certified or not or any sum against the payment of which he is bound to indemnify the Employer.

- 2.24 LANGUAGE AND MEASURES:
- 2.24.1 All documents pertaining to the Contract including Specifications, Schedules, Notices, Correspondence, operating and maintenance Instructions or any other writing shall be written in English/Hindi language. The Metric System of measurement shall be used in the Contract unless otherwise specified.
- 2.25 RELEASE OF INFORMATION:  
The Service Provider shall not communicate or use in advertising, publicity, sales releases or in any other medium, photographs, or other reproduction of the Service under this Contract or description of the site dimensions, quantity, quality or other information concerning the Service unless prior written permission has been obtained from the Employer.
- 2.26 COMPLETION PERIOD, CONTRACT PERIOD AND COMPLETION OF CONTRACT:  
The Completion Period of Service and Contract Period shall be as mentioned in Special Conditions of Contract. Unless terminated under the provisions of any other relevant clause, this Contract shall be deemed to have been completed at the expiration of the Defect Liability Period as provided for under the Contract.
- 2.27 INDEPENDENT CAPACITY  
The parties intend that an independent Service Provider relationship will be created by this Contract. The Service Provider and his/her employees or agents performing under this Contract are not employees or agents of the Employer. The Service Provider will neither hold himself/herself out as nor claim to be an officer or employee of the Employer by reasons hereof, nor will the Service Provider make any claim of right, privilege or benefit that would accrue to such employee under law. Conduct and control of work will be solely with the Service Provider.
- 2.28 NOTICE
- 2.28.1 TO THE SERVICE PROVIDER: Any notice to be given to the Service Provider or his duly authorised representative at the job Site under the terms of the Contract may be served by the Employer by facsimile / e-mail or through registered post/Courier at the address/contact information furnished by the Service Provider. Proof of issue of any such notice could be conclusive of the Service Provider having been duly informed of all contents therein.
- 2.28.2 TO THE EMPLOYER: Any notice to be given to the EIC of the Employer under the terms of the Contract may be served by the Service Provider, by facsimile / e-mail or delivering the same through registered post / Courier at the concerned site office.
- 2.28.3 Either party may change a nominated address to another address in the country where the Services are being provided by prior notice to the other party, with a copy to EIC and the EIC may do so by prior notice to both the parties. The decision of EIC in this regard shall be final and binding on the parties.
- 2.29 CONFIDENTIALITY:  
The Service Provider, its Sub-Service Provider and their personnel shall not, either during the term or within two (2) years after the expiration of this Contract, disclose any proprietary or confidential information related to Service/project, this Contract, or Employer's business or operations without the prior written consent of the Employer.
- 2.30 INTELLECTUAL PROPERTY RIGHT:  
The Service Provider shall retain the copy right and other intellectual property rights in the Service Provider's document and other design documents made by (or on behalf of) the Service Provider.
- Subject to the confidentiality obligations, by signing the Contract, within the Contract Price, the Service Provider shall be deemed to give to the Employer a non-terminable, transferable, non-exclusive and royalty-free right to copy, use and communicate the Service Provider's documents for the operation, maintenance, repair of the Service and Statutory purposes, but not for any other purpose. Such documents of the Service Provider shall not be used, copied or communicated to a third party by or on behalf of the Employer for the purposes other than those permitted, without the Service Provider's Consent.
- 3.0 PERFORMANCE OF SERVICE
- 3.1 EXECUTION OF SERVICES:
- 3.1.1 All Services shall be provided in strict conformity with the provisions of the Contract Documents and with such explanatory detailed specification and instruction as may be furnished from time to time to the Service Provider by EIC. The Service Provider shall undertake to perform all Services under this Contract with all reasonable skill, diligence and care in accordance with sound industry practice or international / national standards, wherever applicable (as the case may be) to the satisfaction of the Employer and accept full responsibility for the satisfactory quality of such services as performed by them.
- 3.2 CHANGES IN SERVICES:
- 3.2.1 During the performance of the Services, EIC / Employer may make a change in the Services within the general scope of this Contract including, but not limited to, changes in methodology and minor additions to or deletions from the Services and Service Provider shall render the service as changed. Changes of this nature will be affected by a written order (i.e., Amendment) by the Employer. The time of completion of the said job may be extended for the part of the particular job at the discretion of Engineer-In-Charge, for only such alterations or substitutions of the Services, as he may consider just and reasonable.
- 2.2.2 If any change results in an increase in compensation payable to Service Provider or in terms of a credit to be passed on to Employer, Service Provider shall submit to EIC an estimate of the amount of such compensation or credit in a form prescribed by Employer. Such estimates shall be based on the rates shown in the Schedule of Rates. Upon review of Service Provider's estimate, Employer shall establish and set forth in the written order the amount of the compensation or credit for the change or a basis for determining a reasonable compensation or credit for the change.
- 3.3 ACTION AND COMPENSATION IN CASE OF POOR SERVICE:  
If it shall appear to the EIC that any service has been rendered with unsound, imperfect or unskilled way, or with materials / manpower of any inferior description, or that any materials / manpower provided by the Service Provider for the execution of the Service are unsound, or of a quality inferior to that Contracted for, or otherwise not in accordance with the Contract, the Service Provider shall on demand in writing from the EIC or his authorized representative specifying the Service, materials or manpower complained of notwithstanding that the same may have been inadvertently passed, certified and paid for, forthwith rectify the service so specified and at his own cost.
- 3.4 SUSPENSION OF SERVICES:
- 3.4.1 Subject to the provisions of sub-para 3.4.2 of this clause, the Service Provider shall, if ordered in writing by the EIC, temporarily suspend the Services or any part thereof for such written order and not proceed with the Service therein ordered to be suspended until, he shall have received a written order to proceed therewith. The Service Provider shall not be entitled to claim compensation for any loss or damage sustained by him by reason of temporary suspension of the Services aforesaid. An extension of time for completion, corresponding with the delay caused by any such suspension of the Services as aforesaid will be granted to the Service Provider should he apply for the same provided that the suspension was not consequent to any default or failure on the part of the Service Provider.
- 3.4.2 In case of suspensions of entire Service, ordered in writing by EIC, for a period of more than two months, the Service Provider shall have the option to terminate the Contract.
- 3.5 DEFECTS LIABILITY PERIOD:
- 3.5.1 The Service Provider unless otherwise specified elsewhere in the tender document shall guarantee the installation/Service for a period of 12 months/ (any period as specified) from the date of completion of Service mentioned in the Completion Certificate issued by the EIC. Any damage or defect that may arise or lie undiscovered at the time of issue of Completion Certificate, connected in any way with the equipment or materials supplied by him or in the workmanship, shall be rectified or replaced by the Service Provider at his own expense as deemed necessary by the EIC. In case of default, the EIC may carry out such services by other service provider(s) and deduct actual cost incurred towards labour, supervision and materials consumables from any sums that may then be due at any time thereafter, become due to the Service Provider or from his Contract Performance Security, or the proceeds of sale thereof or a sufficient part on thereof. The decision of EIC in this regard shall be final and binding.

- 3.5.2 If the Service Provider feels that any variation in Service or in quality of materials or proportions would be beneficial or necessary to fulfill the guarantees called for, he shall bring this to the notice of the EIC in writing. If during the period of liability any portion of the Service/Equipment, is found defective and is rectified/ replaced, the period of liability of 12 months for such equipment/ portion of Service shall be operative from the date such rectification/ replacement are carried out and Contract Performance Guarantee shall be furnished separately for the extended period of liability for that portion of Service/ Equipment only. However, in no such case extension will exceed 24 months from the date of initial DLP. Notwithstanding the above provisions the supplier's, guarantees/warranties for the replaced/rectified Equipment/Service shall also be passed on to the Employer.
- 3.6 **LIMITATION OF LIABILITY**  
Notwithstanding anything contrary contained herein, the aggregate total liability of Service Provider to Employer under the Contract shall not exceed the Total Contract Value, except that this clause shall not limit the liability of the Service Provider for following:
- (a) In the event of breach of any Applicable Law;
  - (b) In the event of fraud, wilful misconduct or illegal or unlawful acts, or gross Negligence of the Service Provider or any person acting on behalf of the Service Provider; or
  - (c) In the event of acts or omissions of the Service Provider which are contrary to the most elementary rules of diligence which a conscientious Service Provider would have followed in similar circumstances; or
  - (d) In the event of any claim or loss or damage arising out of infringement of Intellectual Property; or
  - (e) For any damage to any third party, including death or injury of any third party caused by the Service Provider or any person or firm acting on behalf of the Service Provider in executing the Works/Services.
- However, neither party shall be liable to the other Party for any indirect nor consequential loss or damage like loss of use, loss of profit, loss of production or business interruption which is connected with any claim arising under the Contract.
- 3.7 **INDEMNITY:**  
If any action is brought before a Court, Tribunal or any other Authority against the Employer or an officer or agent of the Employer, for the failure, omission or neglect on the part of the Service Provider to perform any acts, matters, covenants or things under the Contract, or damage or injury caused by the alleged omission or negligence on the part of the Service Provider, his agents, representatives or his Sub- Service Provider's, or in connection with any claim based on lawful demands of Sub-Service Provider's servicemen suppliers or employees, the Service Provider, shall in such cases indemnify and keep the Employer and/or their representatives harmless from all losses, damages, expenses or decrees arising out of such action.
- 3.8 **DAMAGES TO PROPERTY, ANY PERSON AND THIRD PARTY**
- i) Service Provider shall be responsible for making good to the satisfaction of the Employer any loss or any damage to structures and properties belonging to the Employer or being executed or procured or being procured by the Employer or of other agencies within the premises of the Employer, if such loss or damage is due to fault and/or the Negligence or Wilful Misconduct or omission of the Service Provider, his employees, agents, representatives or Sub-Service Providers.
  - ii) The Service Provider shall take sufficient care in moving his equipment/s and materials from one place to another so that they do not cause any damage to any person or to the property of the Employer or any third party including overhead and underground cables and in the event of any damage resulting to the property of the Employer or of a third party during the movement of the aforesaid equipment or materials the cost of such damages including eventual loss of production, operation or services in any plant or establishment as estimated by the Employer or ascertained or demanded by the third party shall be borne by the Service Provider. Third party liability risk shall be Rupees One lakh for single accident and limited to Rupees Ten lakhs.
  - iii) The Service Provider shall indemnify and keep the Employer harmless of all claims for damages to property other than Employer's property arising under or by reason of this agreement, if such claims result from the fault and/or Negligence or Wilful Misconduct or omission of the Service Provider, his employees, agents, representative of Sub-Service Provider.
- 4.0 **PAYMENT, INSURANCE AND TAXES**
- 4.1 **DEDUCTION FROM THE CONTRACT PRICE:**
- 4.1.1 All costs, damages or expenses which Employer may have paid or incurred, which under the provisions of the Contract, the Service Provider is liable to pay to the Employer. All such claims shall be claimed by the Employer from the Service Provider regularly as and when they fall due. Such claims shall be paid by the Service Provider within 15 (fifteen) days of the receipt of the corresponding bills/ claims and if not paid by the Service Provider within the said period, the Employer may, then, deduct the amount from any immediate moneys due to the Service Provider like R.A Bills, Final Bills, Contract Performance Security or any payment becoming due to the Service Provider under the Contract or may be recovered by actions of law or otherwise, if the Service Provider fails to satisfy the Employer of such claims.
- 4.2 **SCHEDULE OF RATES AND PAYMENTS:**
- 4.2.1 **SERVICE PROVIDER'S REMUNERATION:**  
The price to be paid by the Employer to Service Provider for the whole of the Service to be done and for the performance of all the obligations undertaken by the Service Provider under the Contract Documents shall be ascertained by the application of the respective Schedule of Rates (the inclusive nature of which is more particularly defined by way of application but not of limitation, with the succeeding sub-clause of this clause) and payment to be made accordingly for the Services actually executed and approved by the Engineer-in-Charge. The sum so ascertained shall (except only as and to the extent expressly provided herein) constitute the sole and inclusive remuneration of the Service Provider under the Contract and no further or other payment whatsoever shall be or become due or payable to the Service Provider under the Contract.
- 4.2.2 **SCHEDULE OF RATES TO BE INCLUSIVE:**  
The prices/rates quoted by the Service Provider shall remain firm till the issue of Final Certificate and shall not be subject to escalation. Schedule of Rates shall be deemed to include and cover all costs, expenses and liabilities of every description and all risks of every kind to be taken in rendering the services to the Employer by the Service Provider. The Service Provider shall be deemed to have known the nature, scope, magnitude and the extent of the service though the Contract Document may not fully and precisely furnish/specify them. The Tenderer shall be deemed to include the requisite services as may be required to complete the Services properly including remedying of any defect therein.
- 4.2.3 **SCHEDULE OF RATES TO COVER CONSTRUCTION EQUIPMENTS, MATERIALS, LABOUR ETC.:**  
Without in any way limiting the provisions of the preceding sub-clause the Schedule of Rates shall be deemed to include and cover the cost of all construction equipment, temporary work (except as provided for herein), pumps, materials, labour, insurance, fuel, consumables, stores & appliances and such other items / equipment's / materials as required for carrying out the services by the Service Provider and all other matters in connection with each item in the Schedule of Rates and the execution of the Service or any portion thereof finished, complete in every respect and maintained as shown or described in the Contract Documents or as may be ordered in writing during the continuance of the Contract.
- 4.2.4 **SCHEDULE OF RATES TO COVER ROYALTIES, RENTS AND CLAIMS:**  
The Schedule of Rates (i.e., Value of Contract) shall be deemed to include and cover the cost of all royalties and fees for the articles and processes, protected by letters, patent or otherwise incorporated in or used in connection with the Service, also all royalties, rents and other payments in connection with obtaining materials of whatsoever kind for the Service and shall include an indemnity to the Employer which the Service Provider hereby gives against all actions, proceedings, claims, damages, costs and expenses arising from the incorporation in or use in the Service of any such articles, processes or materials, octroi or other municipal or local Board Charges, if levied on materials, equipment or machineries to be brought to site for use for Services shall be borne by the Service Provider.
- 4.2.5 **SCHEDULE OF RATES TO COVER TAXES AND DUTIES:**  
No exemption or reduction of Customs Duties, GST, Works Contract Tax or any port dues, transport charges, stamp duties or Central or State Government or local Body or Municipal Taxes or duties, taxes or charges (from or of any other body), entry tax, whatsoever, will be granted or obtained, all of which expenses shall be deemed to be included in and covered by the Schedule of Rates, unless mentioned specifically elsewhere in the Tender Document. The Service Provider shall also obtain and pay for all permits/licenses or other privileges necessary to complete the Service.



- 4.2.6 **SCHEDULE OF RATES TO COVER RISKS OF DELAY:**  
The Schedule of Rates shall be deemed to include and cover the risk of all possibilities of delay and interference with the Service Provider's conduct/performance of Services which occurs from any causes including orders of the Employer in the exercise of his power and on account of extension of time granted due to various reasons and for all other possible or probable causes of delay.
- 4.2.7 **SCHEDULE OF RATES CANNOT BE ALTERED:**  
For Service under unit rate basis, no alteration will be allowed in the Schedule of Rates by reason of services or any part of them being modified, altered, extended, diminished or committed. The Schedule of Rates are fully inclusive of rates which have been fixed by the Service Provider and agreed to by the Employer and cannot be altered. For lumpsum Contracts, the payment will be made according to the Service actually carried out, for which purpose an item wise, or work wise Schedule of Rates shall be furnished, suitable for evaluating the value of Service provided and preparing running account bill. Payment for any additional Service which is not covered in the Schedule of Rates shall only be released on issuance of Amendment to LOA/Contract by the Employer.
- 4.3 **PROCEDURE FOR BILLING OF SERVICES:**
- 4.3.1 **BILLING PROCEDURE:**  
Following procedures shall be adopted for billing of services executed by the Service Provider.  
  
The Bill(s) complete in all respect with details and enclosure(s) is to be submitted by Service Provider in line with terms of the Contract. Employer shall make all endeavour to release payments of undisputed amount of the bills submitted within 30 (Fifteen) days from the date of receipt of Bills by the Engineer-in-Charge.
- 4.3.2 **MODE OF MEASUREMENT:**  
The payment shall be made based on the mode of measurement as specified in the Contract. Otherwise, the mode of measurement shall be adopted as per latest Indian Standard Specifications.
- 4.4 **NOTICE OF CLAIMS FOR ADDITIONAL PAYMENTS:**
- 4.4.1 Should the Service Provider consider that he is entitled to any extra payment for any extra/additional Job(s)/Service(s) or material change in original Specifications carried out by him in respect of job, he shall forthwith give notice in writing to the Engineer-in-Charge that he claims extra payment. Such notice shall be given to the Engineer-in-Charge upon which Service Provider bases such claims and such notice shall contain full particulars of the nature of such claim with full details of amount claimed. Irrespective of any provision in the Contract to the contrary, the Service Provider must intimate his intention to lodge claim on the Employer within 10 (ten) days of the commencement of happening of the event and quantify the claim within 30 (thirty) days, failing which the Service Provider will lose his right to claim any compensation/reimbursement/damages etc. Failure on the part of Service Provider to put forward any claim without the necessary particulars as above within the time above specified shall be an absolute waiver thereof. No omission by Employer to reject any such claim and no delay in dealing therewith shall be a waiver by Employer of any of these rights in respect thereof.
- 4.4.2 Engineer-in-Charge shall review such claims within a reasonable period of time and cause to discharge these in a manner considered appropriate after due deliberations thereon. However, Service Provider shall be obliged to carry on with the Jobs/services during the period in which his claims are under consideration by the Employer, irrespective of the outcome of such claims, where additional payments for Services considered extra are justifiable in accordance with the Contract provisions, Employer shall arrange to release the same in the same manner as for normal job payments. Such of the extra services so admitted by Employer shall be governed by all the terms, conditions, stipulations and specifications as are applicable for the Contract. The rates for extra services shall generally be the unit rates provided for in the Contract. In the event unit rates for extra services so executed are not available as per Contract, payments may either be released on day work basis for which daily/hourly rates for workmen and hourly rates for equipment rental shall apply, or on the unit rate for Services executed shall be derived by interpolation/extrapolation of unit rates already existing in the Contract. In all the matters pertaining to applicability of rate and admittance of otherwise of an extra service claim(s) of Service Provider, the decision of Engineer-in-Charge shall be final and binding on the Service Provider.
- 4.5 **INSURANCE:**
- 4.5.1 Service Provider shall, at his own expense, arrange appropriate insurance to cover all risks assumed by the Service Provider under this Contract in respect of its personnel deputed under this Contract as well as Service Provider's equipment, tools and any other belongings of the Service Provider or their personnel during the entire period of their engagement in connection with this Contract. Employer will have no liability on this account. The Personnel covered must be covered to meet the liability under Employee Compensation Act.
- 4.5.2 The provisions of this Clause shall in no way limit the liability of the Service Provider under the Contract.
- 4.5.3 If the Service Provider neglects, fails, or refuses to obtain or maintain insurances required to be affected, or fails to provide certification etc., the Employer has the right to procure and maintain policies at Service Provider's expense plus administrative cost of 10% of the amount of Insurance premium.
- 4.5.4 **INSURANCE TYPES:**  
Service Provider shall at all time during the currency of the Contract provide, pay for and maintain the following insurance amongst others:
- 4.5.4.1 Employee Compensation and Employer's common law liability insurance covering liability to employees of the Service Provider under the laws of their place or employment or place or injury, arising out of injury sustained in connection with any of the services. This insurance will be extended where submitted by law, to indemnify the Employer against any statutory liability which it may incur towards injured employees of the Service Provider. A proof of the same should be submitted to EIC for liability in line with Employees Compensation Act.
- 4.5.4.2 General Public Liability Insurance covering liabilities including contractual liability for bodily injury, including death of persons, and liabilities for damage of property. This insurance must cover all operations of Service Provider required to fulfil the provisions under this Contract.
- 4.5.4.3 Service Provider's Equipment/Materials/Goods used for execution of the work hereunder shall have an insurance cover with a suitable limit (as per international standards).
- 4.5.4.4 Automobile Public Liability Insurance covering owned, non-owned and hired automobiles used in the performance of the work hereunder, with bodily injury limits and property damage limits as governed by Indian Insurance regulations.
- 4.5.4.5 Service Provider shall obtain additional insurance or revise the limits of existing insurance as per Employer's request in which case additional cost shall be to Service Provider's account. Further, the Service Provider shall ensure the adequacy of Insurance at all time in accordance with the nature of the Service(s), terms of the Contract and Statutory requirements.
- 4.5.6 **CERTIFICATE OF INSURANCE:**  
Before commencing performance of the services, Service Provider shall on request furnish EIC/Employer with certificates of insurance indicating:
- i) type and amounts of insurance as required herein;
  - ii) insurance company or companies carrying the aforesaid coverage;
  - iii) effective and expiry dates of policies;
  - iv) that the Employer may give advance notice for any material change in the policy. waiver of subrogation endorsement has been attached to all policies; and
  - v) the territorial limits of all policies.
- 4.5.7 If any of the above policies expire or are cancelled during the terms of the service, and Service Provider fails for any reason to renew such policies, the Employer may replace same and recover the charges towards premium plus administrative charges from Service Provider. Should there be a lapse in any insurance required to be carried out by the Service Provider hereunder for any reason, losses & penalty, if any resulting therefrom shall be to the sole account of the Service Provider.
- 4.5.8 Service Provider shall require all its Sub-Service Providers to provide such foregoing insurance cover as the Service Provider is obligated to provide under the Contract.
- 4.5.9 **WAIVER OF SUBROGATION:** All insurance policies of the Service Provider with respect to the operations conducted hereunder, shall be endorsed by the underwriter in accordance with the following policy wording: "The insurers hereby waive their rights of subrogation against any individual, Employer, affiliates or assignees for whom or with whom the assured may be operating to the extent of the Contractual indemnities undertaken by the Service Provider".
- 4.5.10 **Deductible:** That portion of any loss not covered by insurance provided for in this article solely by reason of deductible provision in such insurance policies shall be to the account of the Service Provider.
- 4.6 **TAXES AND DUTIES:**
- 4.6.1 The Service Provider, unless specified otherwise elsewhere in the Contract agrees to and does hereby accept full and exclusive liability for the payment of any and all Taxes, Duties, including GST now or hereafter imposed, increased, modified from time to time in respect of Services and materials and all contributions and taxes for

unemployment compensation, insurance and old age pensions or annuities now or hereafter imposed by any Central or State Government authorities which are imposed with respect to or covered by the wages, salaries, or other compensations paid to the persons employed by the Service Provider and the Service Provider shall be responsible for the compliance of all Sub-Service Providers, with all applicable Central, State, Municipal and local law and regulation and requirement of any Central, State or local Government agency or authority. Service Provider further agrees to defend, indemnify and hold Employer harmless from any liability or penalty which may be imposed by the Central, State or Local authorities by reason of any violation by Service Provider or Sub-Service Provider of such laws, suits or proceedings that may be brought against the Employer arising under, growing out of, or by reason of the service provided for by this Contract, by third parties, or by Central or State Government authority or any administrative sub-division thereof. Tax deductions will be made as per the rules and regulations in force in accordance with acts prevailing from time to time.

- 4.6.2 Service Provider shall ensure timely submission of correct invoice(s) with all required supporting document(s) as per Contract within a period specified in Contracts to enable Employer to avail Input Tax Credit.

If Input Tax credit with respect to GST is not available to Employer for any reason which is not attributable to Employer, then Employer shall not be obligated or liable to pay or reimburse GST charged in the invoice(s) and shall be entitled to / deduct / set off / recover the such GST together with all penalties and interest if any, against any amounts paid or payable by Employer to Service Provider.

- 4.6.3 Where Employer has the obligation to discharge tax liability under reverse charge mechanism and Employer has paid or is /liable to pay GST to the Government on which interest or penalties becomes payable as per rules (as amended from time to time) for any reason which is not attributable to Employer or Input Tax credit with respect to such payments is not available to Employer for any reason which is not attributable to Employer, then Employer shall be entitled to deduct / set off / recover such amounts against any amounts paid or payable by Employer to Service Provider.

#### 4.7 INCOME TAX:

Income Tax deduction shall be made from all payments of the Service Provider as per rules and regulation in force in accordance with the Income Tax Act prevailing from time to time.

#### 4.8 STATUTORY VARIATIONS:

- 4.8.1 All duties, taxes (except where otherwise expressly provided in the Contract) as may be levied / imposed in consequences of execution of the Jobs/Services or in relation thereto or in connection therewith as per the Acts, Laws, Rules, Regulations in force on the due date of submission of Bid for this Contract shall be to Service Provider's account. Any increase / decrease in such duties, taxes after the due date of submission of bid but within the Contractual completion date as stipulated in the Contract will be to the account of Employer subject to submission of documentary proof to the satisfaction of Employer.

- 4.8.2 Any increase in the duties and taxes after the Contractual completion period will be to the Service Provider's account, where delay in completion / mobilization period is attributable to the Service Provider and the taxes & duties are not cenvatable (i.e., Input Tax Credit (ITC) not available). In case of applicability of ITC / cenvatable taxes & duties, payment shall be made as per the prevailing rates during the currency of the Contract. However, any benefit of decrease in duties and taxes after the Contractual completion will be passed on to the Employer.

In the event of introduction of any new legislation or any change or amendment or enforcement of any Act or Law, rules or regulations of Government of India or State Government(s) or Public Body which becomes effective after the due date of submission of Bid for this Contract but within the Contractual completion period (including extended period allowed due to reasons attributed to Employer) and which results in increased cost of the jobs/services under the Contract through increased liability of taxes, (other than personnel and Corporate taxes), duties, the Service Provider shall be indemnified for any such increased cost by the Employer subject to the production of documentary proof to the satisfaction of the Employer to the extent which directly is attributable to such introduction of new legislation or change or amendment as mentioned above and adjudication by the competent authority & the courts wherever levy of such taxes / duties are disputed by Employer.

- 4.8.3 Similarly, in the event of introduction of new legislation or any change or amendment or enforcement of any Act or Law, rules or regulations of Government of India or State Government(s) or Public Body which becomes effective after the due date of submission of Bid for this Contract and which results in any decrease in the cost of the services / jobs through reduced liability of taxes, (other than personnel and Corporate taxes) duties, the Service Provider shall pass on the benefits of such reduced cost, taxes or duties to the Employer, to the extent which is directly attributable to such introduction of new legislation or change or amendment as mentioned above.

#### 5.0 LAWS, HEALTH, SAFETY & ENVIRONMENT

##### 5.1 LABOUR LAWS:

- i) No labour below the age of 18 (eighteen) years shall be employed on the Job.
- ii) The Service Provider shall not pay less than what is provided under law to labourers engaged by him on the Job.
- iii) The Service Provider shall at his expense comply with all labour laws and keep the Employer indemnified in respect thereof.
- iv) The Service Provider shall pay equal wages for men and women in accordance with applicable labour laws.
- v) If the Service Provider is covered under the Contract labour (Regulation and Abolition) Act, he shall obtain a license from licensing authority (i.e., office of the labour commissioner) by payment of necessary prescribed fee and the deposit, if any, before starting the Job under the Contract. Such fee/deposit shall be borne by the Service Provider.
- vi) The Service Provider shall employ labour in sufficient numbers either directly or through Sub-Service Provider's to maintain the required rate of progress and of quality to ensure workmanship of the degree specified in the Contract while also ensuring that workman is not stressed due to long hour of working and to the satisfaction of the EIC.
- vii) The Service Provider shall furnish to the EIC the distribution return of the number and description, by trades of the service people employed on the services. The Service Provider shall also submit to the EIC a true statement showing in respect of the second half of the preceding month and the first half of the current month the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them and (2) the number of female workers who have been allowed Maternity Benefit as provided in the Maternity Benefit Act 1961 on Rules made thereunder and the amount paid to them.
- viii) The Service Provider shall comply with the provisions of the payment of Wage Act 1936, Employee Provident Fund Act 1952, Minimum Wages Act 1948, Employers Liability Act 1938, Servicemen's Compensation Act 1923, Industrial Disputes Act 1947, the Maternity Benefit Act 1961 and Contract Labour Regulation and Abolition Act 1970, Employment of Children Act 1938 or any modifications thereof or any other law relating thereto and rules made thereunder from time to time.
- ix) The EIC shall on a report having been made by an Inspecting Officer as defined in Contract Labour (Regulation and Abolition) Act 1970 have the power to deduct from the money due to the Service Provider any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfilment of the Conditions of the Contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the terms of the Contract or non-observance of the said regulations.
- x) The Service Provider shall indemnify the Employer against any payments to be made under and for the observance of the provisions of the aforesaid Acts without prejudice to his right to obtain indemnity from his Sub-Service Provider's.

##### 5.2 SAFETY REGULATIONS:

- i) In respect of all labour, directly employed in the Service for the performance of Service Provider's part of this agreement, the Service Provider shall at his own expense arrange for all the safety provisions as per safety codes of acts as applicable.
- ii) The Service Provider shall observe and abide by all fire and safety regulations of the Employer. Before starting service, Service Provider shall consult with Employer's safety Engineers or EIC and must make good to the satisfaction of the Employer any loss or damage due to fire to any portion of the service done or to be done under this agreement or to any of the Employer's existing property.

##### 5.3 FIRST AID AND INDUSTRIAL INJURIES:

- i) Service Provider shall maintain first aid facilities for its employees and those of its Sub-Service Provider.
- ii) Service Provider shall make outside arrangements for ambulance service and for the treatment of industrial injuries. Names of those providing these services shall be

- iii) furnished to Employer prior to start and their telephone numbers shall be prominently posted in Service Provider's field office.  
All critical industrial injuries shall be reported promptly to Employer, and a copy of Service Provider's report covering each personal injury requiring the attention of a physician shall be furnished to the Employer.
- 5.4 **GENERAL RULES:**  
Smoking within the battery area, tank farm, dock limits or any such area identified by EIC or mentioned in SCC or any guideline, is strictly prohibited. Violators of the no smoking rules shall be discharged immediately after imposing the applicable penalty(ies). Decision of EIC in the matter shall be final and binding on the Service Provider.
- 5.5 **CARE IN HANDLING INFLAMMABLE GAS:**  
The Service Provider has to ensure all precautionary measures and exercise utmost care in handling the inflammable gas cylinder/inflammable liquids/paints etc. as required under the law and/or as advised by the fire Authorities of the Employer.
- 5.6 **PRESERVATION OF PLACE:**  
The Service Provider shall take requisite precautions and use his best endeavours to prevent any riotous or unlawful behaviour by or amongst his worker / personnel employed for the services and for the preservation of peace and protection of the inhabitants and security of property in the neighbourhood of the Site. In the event of the Employer requiring the maintenance of a Special Police Force at or in the vicinity of the site during the tenure of services, the expenses thereof shall be borne by the Service Provider and if paid by the Employer shall be recoverable from the Service Provider.
- 5.7 **ENVIRONMENT:**  
5.7.1 Employer acknowledges their commitment to conduct their respective operations in a manner which not only complies with all relevant environmental protection and pollution control legislation but also such operations do not cause environmental damage or pollution and in a manner which acknowledges other cultural and associated considerations. In recognition of this commitment, the Service Provider shall perform the services in such a way as to avoid or minimize environmental damage or pollution and fully recognize the special aspects of the environment as communicated by Employer or as applicable. Service Provider shall comply with, and the Service Provider shall ensure compliance with all applicable environmental protection and pollution control legislation as it relates to the services.
- 6.0 **RESOLUTION OF DISPUTES/ ARBITRATION:**
- 6.1 The EMPLOYER and the CONTRACTOR shall make every effort to resolve amicably by direct informal, good faith negotiations any disagreement or dispute arising between them under or in connection with the Contract.
- 6.2 If, after thirty days from the commencement of such informal, good faith negotiations, the EMPLOYER and the CONTRACTOR have been unable to resolve the disagreement or dispute, the same shall be referred for resolution as per the formal mechanism as specified hereunder shall be applicable.
- 6.3 **LEGAL CONSTRUCTION:** The Contract shall be, in all respects be construed and operated as an Indian Contract and in accordance with Indian Laws as in force for the time being.
- 6.4 **ARBITRATION:**  
a) All disputes and differences of any kind whatsoever arising out of or in connection with the contract or carrying out of the works (whether during the course of work or after their completion and whether before or after determination, abandonment or breach of contract) shall be referred to and settled by the person authorized and notified in writing by IREL who shall state his decision in writing. Such a decision may be in the form of a final certificate or otherwise and shall be made within a period of 30 days from the date of receipt of such reference to them.  
b) If the CONTRACTOR is dissatisfied with the decision of such authorized person, then he may within 30 days of receipt of such decision send a written appeal to PURCHASER, represented by the Chairman and Managing Director at the registered office, Mumbai for the same to be referred to Arbitration by a Sole Arbitrator to be appointed by mutual consent and after due approval of CMD, IREL. The Arbitration proceedings shall be conducted as per the provisions of the Arbitration and Conciliation Act, 1996. It is made clear that this Arbitration Clause shall be applicable to any and all disputes and differences between the Parties arising out of and/or relating to this CONTRACT and the Parties shall be bound to refer the same to arbitration in accordance with the procedure contemplated herein.  
c) If the period of 30 days under Clause (b) has expired at any stage, stipulated in the preceding paras without any response from the CONTRACTOR before such expiry, the CONTRACTOR is deemed to have communicated his satisfaction to the decision of IREL at the relevant stage and all his rights of further appeal or as the case may be, adjudication is deemed to have been waived once and for all.  
d) The seat of arbitration will be at Mumbai and the language thereof shall be English.  
e) Notwithstanding the invocation, commencement and/or pendency any dispute resolution proceedings under this Clause including arbitration under Clause 6.4, the CONTRACTOR shall continue to be bound by the provisions of the CONTRACT, if not terminated by the EMPLOYER, and shall be obligated to discharge its obligations under the CONTRACT including continuation of the WORK under the CONTRACT.  
f) The CONTRACTOR shall not in any way delay or default or cause to delay or default the carrying out of the works by reason of the fact that any matter has been agreed to be referred to and / or referred to dispute resolution under Clause 6.3 including Arbitration under Clause 6.4.
- 6.5 **JURISDICTION:**  
The courts only shall, subject to Arbitration Clause, have exclusive jurisdiction to deal with and decide any matter arising out of this contract.
- 7.0 **PLANNING AND DESIGNING IN PURVIEW OF VULNERABILITY ATLAS OF INDIA**  
Vulnerability Atlas of India (VAI) is a comprehensive document which provides existing hazard scenario for the entire country and presents the digitized State/UT-wise hazard, maps with respect to earthquakes, winds and floods for district-wise identification of vulnerable areas. It also includes additional digitized maps for thunderstorms, cyclones and landslides. The main purpose of this Atlas is its use for disaster preparedness and mitigation at policy planning and project formulation stage.  
This Atlas is one of its kind single point sources for the various stakeholders including policy makers, administrators, municipal commissioners, urban managers, engineers, architects, Planners, public etc. to ascertain proneness of any city/location/site to multi-hazard which includes earthquakes, winds, floods, thunderstorms, cyclones and landslides. While project formulation, approvals and implementation of various urban housing, buildings and infrastructures schemes, this Atlas proves necessary information for risk analysis and hazard assessment.  
The Vulnerability Atlas of India has been prepared by Building Materials and Technology Promotion Council under Ministry of Housing and Urban Affairs, Government of India and available at their website [www.bmtpc.org](http://www.bmtpc.org)  
It is mandatory for the bidders to refer Vulnerability Atlas of India for multi-hazard risk assessment and include the relevant hazard proneness specific to project location while planning and designing the project in terms of:  
i) Seismic Zone (II TO V) for earthquakes  
ii) Wind velocity (Basic Wind Velocity: 55, 50, 47, 44, 39 & 33 m/s)  
iii) Area liable to floods and Probable max. surge height  
iv) Thunderstorms history  
v) Number of cyclonic storms/severe cyclonic storms and max sustained wind specific to coastal region  
vi) Landslides incidences with Annual rainfall normal



8.0

9.0

## 9.0

9.0

**“ETHICS IN TENDERING & OTHER BUSINESS DEALINGS”**

Dear Sir,

IREL (INDIA) LIMITED, a Government of India undertaking under the administrative control of Department of Atomic Energy is doing its business as per the rules and regulation of the Public Sector Undertaking and other statutory agencies. The business is done in an ethical, rational & impartial manner with good corporate governance.

In our endeavour to be more transparent in our dealings and to support our ideology all Vendors, Customers and Business Partners are requested not to provide any gift and / or inducement to any of our employees for securing / being granted favour in dealings with our Company. In assurance of your commitment to the aforesaid, it will be highly appreciated if you fill up, sign and abide by the attached undertakings.

Report of any gifts and / or inducements sought by any employee of the company should be immediately reported to any one of the following:

Chairman & Managing Director IREL (India) Limited 1207, V.S. Marg, Prabhadevi Mumbai 400 028. Ph: 022-24225778 E-mail:cmd@irel.co.in	Chief Vigilance Officer IREL (India) Limited 1207, V.S. Marg, Prabhadevi Mumbai 400 028. Ph: 022-24221068 E-mail:cvo@co.gov.in
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We assure you that complaints if any made by you on the subject will be kept confidential and fair investigation will be conducted and appropriate action will be taken. Similarly, we except your commitment to the undertaking and its violation will have consequences as per prevailing rule of the Company.

Thanking you,

For IREL (India) Limited

Sd/-

Name R. Abel Devadhasan

Designation Chief Manager- (Technical (Purchase)

UNDERTAKING TO BE SUBMITTED BY BIDDERS FOR ADOPTING ETHICAL PRACTICES

Date:

IREL (India) Limited  
1207, V.S. Marg, Prabhadevi  
Mumbai 400 028.

I / We ..... am / are a Vendor / Customer of IREL(India) Limited  
(now onwards to be referred as Company).

I / We agree and undertake:

Not to provide any gift and / or inducement to any employee of the Company in connection with securing /  
being granted favour (s) in my / our dealings with the Corporate office of the company and / or its any field  
units namely MK, Chavara, OSCOM, RED & IRERC.

To immediately report any gift and / or inducement sought by any employee of the Company granting  
favour(s) to me / us in my / our dealings with the Company and / or its field units.

Signature.....

Name.....

Title.....

Name of the Company and Address (with Seal).....

**EMD DECLARATION**

I have furnished a sum of Rs. ..../- (Rupees.....only) towards EMD vide NEFT/RTGS/BG No..... dated.....

Place:

Signature of tenderer:

Full Address:

**IREL Bank Details**

Name of Bank	State Bank of India, Udyogamandal Branch, Udyogamandal
Account Type	Current Account
Account Number	57017844321
IFSC Code	SBIN0070158
MICR Code	682002926

Details of payment to be uploaded as attachment during tender submission and the same shall be e-mailed to: [purchase-red@irel.co.in](mailto:purchase-red@irel.co.in)

Email should contain the following details

- 1) Name of the Company.
- 2) Your E-mail ID and Contact Details including full postal Address.
- 3) EMD & TDC Amount.
- 4) Transaction ID with details of bank and branch.

**TECHNICAL DEVIATION STATEMENT FORM**

Tender No. / Date:

Name of Work:.

The bidder has to quote as per technical specification and requirement of the bid. No deviation is expected. However, in case of any deviation, the same has to be recorded clearly in the technical deviation statement form.

The following are the particulars of deviations from the requirements of the Tender specifications.

CLAUSE	DEVIATION (Including Justification)	REMARKS

Signature & Seal of the Tenderer

Dated:

**Note:**

- where there is no deviation, the statement should be returned duly signed with an endorsement indicating 'No deviations'
- The technical specifications furnished in the Tender document shall prevail over those of any other document forming a part of our Tender, except only to the extent of deviations furnished in the statement.

.....  
Signature and seal of the contractor

**DECLARATION - NON-BLACKLISTING**

(To be submitted by an Authorized Signatory on the company's original letter head with signature and seal)

To,

**CM -Technical (Purchase)  
IREL (India) Limited  
R E Division, Udyogamandal - 683 501  
KERALA**

Sir,

In response to the Bid Ref No.: \_\_\_\_\_ dated \_\_\_\_\_ 2023, I/We hereby declare that presently our agency has not been declared ineligible or black listed for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State Govt./ Central Govt./PSU/Government of India Society on the date of bid submission.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our bid if any, to the extent accepted may be cancelled.

Thanking you,

Yours faithfully,

Name of the agency: -  
Authorized Signatory: -  
Seal of the Organization: -

Date:

Place:

**Annexure to Bid Form: Eligibility Declarations**

Tender Document No.

Tender Title:

Bidder's Name:

Bidder's Reference No.

Date:

**Restrictions on procurement from Bidders from a country or countries, or a class of countries under Rule 144 (xi) of the General financial Rules 2017.**

"I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India: and solemnly certify that we are not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and also undertake to advise any future changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of Code of integrity and would attract penalties as mentioned in this tender document, including debarment.

(Signature of the Bidder, with Official Seal)

**CONTRACTOR ENROLMENT/ REGISTRATION FORM**

1. NAME :

2. ADDRESS :

3. E-MAIL/ MOBILE :

4. P.F. CODE NO :

5. INSURANCE DETAILS :

ESI No.	Name of Insurance Company	Policy No.	Valid	Type of Policy	No. of persons covered

6. LABOUR LICENSE DETAILS:

Labour License No.	Address of Licensing Office	License Issuance Authority	Date of Expiry	Maximum No. of Laboure's as per License

SIGNATURE OF CONTRACTOR



VENDOR UP-DATION DETAILS			
SI #	Organisation Details		
1	Name		
2	Address Type (sales office address/ office address/ Warehouse address/ factory address)		
3	Building/House Number		
4	Area/Street Name		
5	City		
6	Pin Code		
7	State		
8	Contact Details	Ph No:	
		Mobile No.	
		Email:	
9	Ownership Information (Private Limited Company/ One Person Company/ Limited Liability Partnership/ Partnership Firm / Proprietorship/ Co-Operative Society/ Trust/ Others)		
10	Nature Of Business (Manufacturer/ Dealer/ Trader/ Distributor/ Stockiest/ Channel Partner/ Indian Sales Office/ Subsidiary of Registered foreign supplier/ Indian Agents/ Service Provider)		
11	Copy of PAN card		
12	GSTIN		
13	Audited copies of P&L for the last three years		
14	Valid MSE Udyam registration certificate, if any.		Yes
			No
15	ISO Certification if any		
16	Registered in GEM Portal	Yes	No
17	Whether Supplier/Service Provider is a Start-Up Enterprise. If yes provide the details.		
Bank Details			
18	Name of bank:		
19	Name of Bank Branch:		
20	City/Place:		
21	Account Number:		
22	Account Type:		
23	IFSC Code:		
24	MICR Code:		

## PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT (EMD)

(To be issued by approved Scheduled Banks)

In accordance with Notice Inviting Tender (NIT) No. \_\_\_\_\_ Dated \_\_\_\_\_ for the work of \_\_\_\_\_ (herein after referred to as “the said Works”) for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only), under \_\_\_\_\_ RED unit of M/s IREL(India) Limited, a company incorporated under Indian Companies Act, having its registered office at Plot No.1207, ECIL building, Opp. to Siddhivinayak Temple, Veer Savarkar Marg, Prabhadevi, Mumbai-400028, India (herein after referred to as IREL (India) Limited, M/s \_\_\_\_\_ Address \_\_\_\_\_ [Herein after referred to as Contractor (s)] wish /wishes to participate in the said tender and a Bank Guarantee for the sum of Rs. \_\_\_\_\_ (in words) valid for a period of \_\_\_\_\_ days (in words) is required to be submitted by the Bidder towards the Bid Security.

We the \_\_\_\_\_ Bank (hereinafter called the said Bank) do hereby undertake to pay to IREL (India) Limited, the sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) by reason of the said tenderer's failure to enter into an agreement of contract on intimation of acceptance of his tender and/or to commence the contract works and/or failure to deposit the security deposit within the stipulated period as per the terms and conditions relating to and/or governing the contract and/or specified in the Notice Inviting Tender (NIT). We also agree that any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. We also agree that notwithstanding any dispute or difference or any litigation in respect of or arising from the said contract and/or the acceptance of the tender of the tenderer afore stated by IREL(India) Limited including the question as to the tenability of the claim of the IREL(India) Limited for forfeiting the Earnest Money being the Bank Guarantee herein, we shall forthwith pay the said amount to IREL(India) Limited on demand being made as aforesaid.

We \_\_\_\_\_ Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for entering into an Agreement of contract and that it shall continue to be enforceable till all the dues of the IREL(India) Limited under the terms and conditions of the NIT for the work have been fully paid and its claims satisfied or discharged or till IREL(India) Limited certifies, that the terms and conditions of the NIT have been fully and properly carried out by the said tenderer and accordingly discharges the guarantee.

We \_\_\_\_\_ Bank further agree with the IREL(India) Limited that the IREL(India) Limited shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the NIT and/or terms and conditions governing the contract or to extend the time of validity of the offer from the said tenderer from time to time or to postpone for any time or from time to time any of the powers exercisable by the IREL against the said tenderer and to forbear or enforce any of the terms and conditions of the NIT and we shall not be relieved from our liability hereunder by reason of any such variation, or extension being granted to the said tenderer or for any forbearance, act or omission on the part of the IREL(India) Limited or any indulgence by the IREL(India) Limited to the said tenderer or by any such matter or thing whatsoever which under the law relating to surety/guarantee would but for this provision have effect of so relieving us.

We \_\_\_\_\_ Bank do hereby further agree that any change in the Constitution of the said tenderer or the Bank will not affect the validity of this guarantee.

We \_\_\_\_\_ Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the IREL (India) Limited in writing.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 20--

\_\_\_\_\_ Bank

(Signature with name in Block letters with designation, Attorney as per power of Attorney No. \_\_\_\_ dt. \_\_\_\_)

Bank's Common seal

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	12-03-2024 13:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	12-03-2024 13:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Pmo
Department Name/विभाग का नाम	Department Of Atomic Energy
Organisation Name/संगठन का नाम	Irel (india) Limited
Office Name/कार्यालय का नाम	Ho
Total Quantity/कुल मात्रा	20
Item Category/मद केटेगरी	Title1 , Title2 , Title3 , Title4 , Title5 , Title6 , Title7 , Title8 , Title9 , Title10 , Title11 , Title12 , Title13 , Title14
BOQ Title/बीओक्यू शीर्षक	Fabrication supply Commissioning of MSFRP tank
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	39 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid

Bid Details/बिड विवरण	
Primary product category	Title1
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Estimated Bid Value/अनुमानित बिड मूल्य	13000000
Payment Timelines	Payments shall be made to the Seller within <b>30</b> days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Financial Document Required/वित्तीय दस्तावेज की आवश्यकता है।	Yes

#### EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	260000

#### ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	13

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

#### Beneficiary/लाभार्थी :

DGM (A&E)  
IREL (India) Limited, RED, Udyogamandal  
(Kamalam.p)

## Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

## MII Purchase Preference/एमआईआई खरीद वरीयता

MIIPurchase Preference/एमआईआई खरीद वरीयता	Yes
-------------------------------------------	-----

## MSE Purchase Preference/एमएसई खरीद वरीयता

MSEPurchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
5. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.  
[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.
6. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned

Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY. The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

7. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

## Title1

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)**

**Technical Specifications/तकनीकी विशिष्टियाँ**

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	2	180

## Title2

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)**

**Technical Specifications/तकनीकी विशिष्टियाँ**

<b>Specification Document</b>	<a href="#">View File</a>
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**BOQ Detail Document**[View File](#)

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhason	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	2	180

**Title3**

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

**Technical Specifications/तकनीकी विशिष्टियाँ****Specification Document**[View File](#)**BOQ Detail Document**[View File](#)

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhason	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	1	180

**Title4**



**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)**

**Technical Specifications/तकनीकी विशिष्टियाँ**

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<b>BOQ Detail Document</b>	<a href="#">View File</a>

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

<b>S.No./क्र. सं.</b>	<b>Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी</b>	<b>Address/पता</b>	<b>Quantity/मात्रा</b>	<b>Delivery Days/डिलीवरी के दिन</b>
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	1	180

**Title5**

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)**

**Technical Specifications/तकनीकी विशिष्टियाँ**

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	1	180

## Title6

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	<a href="#">View File</a>
BOQ Detail Document	<a href="#">View File</a>

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### Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	1	180

## Title7

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	<a href="#">View File</a>
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	2	180

Title8

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	<a href="#">View File</a>
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	2	180

Title9

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhason	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	1	180

**Title10**

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)**

**Technical Specifications/तकनीकी विशिष्टियाँ**

<b>Specification Document</b>	<a href="#">View File</a>
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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhason	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	1	180

## Title11

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	<a href="#">View File</a>
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### Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhason	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	2	180

## Title12

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	<a href="#">View File</a>
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Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

### Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	2	180

### Title13

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

#### Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	<a href="#">View File</a>
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#### Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	1	180

### Title14

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

#### Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	<a href="#">View File</a>
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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Abel Devadhasan	683501,IREL (India) Limited; UDYOGMANDAL,Ernakulam.	1	180

**Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें****1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

**2. Generic**

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.
- Copy of EFT Mandate duly certified by Bank.

**Disclaimer/अस्वीकरण**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

- Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
- Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
- Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
- Creating BoQ bid for single item.
- Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
- Mandating submission of documents in physical form as a pre-requisite to qualify bidders.

7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।

**---Thank You/धन्यवाद---**