

## Bid Document

Bid Details	
<b>Bid End Date/Time</b>	30-11-2021 09:00:00
<b>Bid Opening Date/Time</b>	30-11-2021 09:30:00
<b>Bid Life Cycle (From Publish Date)</b>	90 (Days)
<b>Bid Offer Validity (From End Date)</b>	65 (Days)
<b>Ministry/State Name</b>	Ministry Of Petroleum And Natural Gas
<b>Department Name</b>	Oil India Limited
<b>Organisation Name</b>	Oil India Limited
<b>Office Name</b>	Oil India Limited
<b>Total Quantity</b>	2
<b>Item Category</b>	70 M3/HOUR CAPACITY COMPREHENSIVE GROUND WATER TREATMENT FACILITY (Q3) ( )
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Document required from seller</b>	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (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
<b>Bid to RA enabled</b>	No
<b>Time allowed for Technical Clarifications during technical evaluation</b>	5 Days
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	Yes
<b>Inspection to be carried out by Buyers own empanelled agency</b>	Yes
<b>Type Of Inspection</b>	Stage-wise Inspection
<b>Name of the Empanelled Inspection Agency/ Authority</b>	Board of Officers
<b>Payment Timelines</b>	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)

Bid Details	
Evaluation Method	Total value wise evaluation

#### EMD Detail

Required	No
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#### ePBG Detail

Advisory Bank	HDFC Bank
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	32

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

#### Beneficiary:

SMM

Bank Name :HDFC BANK LIMITED Branch Name :Duliajan Bank Account No.:21182320000016 Type of Account :Current Account IFSC Code :HDFC0002118 MICR Code :786240302 SWIFT Code :HDFCINBBCAL The Bank Guarantee issued by the Bank must be routed through SFMS platform as per following details: (i) MT 760 / MT 760 COV for issuance of Bank Guarantee (ii) MT 760 / MT 767 COV for amendment of Bank Guarantee The above message / intimation shall be sent through SFMS by the BG issuing Bank branch to HDFC Bank, Duliajan Branch, IFS Code - HDFC0002118; SWIFT Code - HDFCINBBCAL. Branch Address: HDFC Bank Limited, Duliajan Branch, Utopia Complex, BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN - 786602. The vendor shall submit to OIL the copy of the SFMS message as sent by the issuing bank branch along with the original bank guarantee (Amrit Loushon Bora)

#### Splitting

Bid splitting not applied.

#### MII Purchase Preference

MII Purchase Preference	Yes
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#### MSE Purchase Preference

MSE Purchase Preference	Yes
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1. 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. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. 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 100%(selected by Buyer) percentage of total QUANTITY.

### **3. Inspection of Stores by Nominated Inspection Authority / Agency of buyer or their authorized representatives**

An independent third party Professional Inspection Body can help buyer in mitigating buyer's risk with pre-dispatch/post-dispatch inspection in order to ensure that equipment, components, solutions and documentation conform to contractual requirements. The buyer has a right to inspect goods in reasonable manner and within reasonable time at any reasonable place as indicated in contract. Inspection Fee/ Charges (as pre-greed between buyer and Inspection Agency) would be borne by the buyer as per their internal arrangement but may be recovered from the seller if the consignment failed to conform to contractual specification and got rejected by the Inspection Officer. If so requested and accepted by the seller, initially seller may pay for inspection charges as applicable and get the same reimbursed from buyer if consignment accepted by the Inspecting Officer. For reimbursement seller has to submit proof of payment to Inspection Agency.

Seller/OEM shall send a notice in writing / e-mail to the Inspecting officer / inspection agency specifying the place of inspection as per contract and the Inspecting officer shall on receipt of such notice notify to the seller the date and time when the stores would be inspected. The seller shall, at his own expenses, afford to the Inspecting officer, all reasonable facilities as may be necessary for satisfying himself that the stores are being and or have been manufactured in accordance with the technical particulars governing the supply. The decision of the purchaser representative /inspection authority regarding acceptance / rejection of consignment shall be final and binding on the seller.

The Seller shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspecting officer may demand of him for any test, and examination, other than special or independent test, which he shall require to be made on the seller's premises and the seller shall bear and pay all costs attendant thereon.

The seller shall also provide and deliver store / sample from consignment under inspection free of charge at any such place other than his premises as the Inspecting officer may specify for acceptance tests for which seller/OEM does not have the facilities or for special/ independent tests.

In the event of rejection of stores or any part thereof by the Inspecting officer basis testing outside owing to lack of test facility at sellers premises, the seller shall, on demand, pay to the buyer the costs incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the Laboratory to private persons for similar work.

Inspector shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may like fit and proper as per QAP/governing specification. The seller shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspecting officer.

Unless otherwise provided for in the contract, the quantity of the stores or materials expended in test will be borne by seller.

Inspecting officer is the Final Authority to Certify Performance / accept the consignment. The Inspecting officer's decision as regards the rejection shall be final and binding on the seller.

The seller shall if so required at his own expense shall mark or permit the Inspecting officer to mark all the approved stores with a recognised Government or purchaser's mark.

## 70 M3/HOUR CAPACITY COMPREHENSIVE GROUND WATER TREATMENT FACILITY ( 2 pieces )

(Minimum 50% Local content required for MII compliance)

Brand Type	Unbranded
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### Technical Specifications

Buyer Specification Document	<a href="#">Download</a>
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### Installation Commissioning and Testing (ICT) details for the above item:

% of Product Cost Payable on Product Delivery	70%
Min Cost Allocation for ICT as a % of product cost	2%
Number of days allowed for ICT after site readiness communication to seller	90 Days

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	DIPANKAR PATHAK	786602,Oil India Limited, Duliajan, Assam	1	180
2	Bastab Gogoi	785670,OIL INDIA LIMITED, WESTERN ASSET, MORAN, DISTRICT -CHARAIDEO, ASSAM	1	180

### Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	BEC BRC & Notes to bidders <a href="#">View</a>	BEC BRC & Notes to bidders	70 M3/HOUR CAPACITY COMPREHENSIVE GROUND WATER TREATMENT FACILITY(2)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

### Buyer Added Bid Specific Terms and Conditions

1. Generic

**Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

2. **Generic**

Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file](#)

3. **Generic**

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

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

4. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

5. **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.

6. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

7. **Generic**

The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.

Applicable Concessional rate of GST : 5%

Notification No.and date : 3/2017 dated 28/06/2017

8. **Generic**

**Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

9. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

10. **Generic**

Whereever Essentiality Certificate is applicable (PEL/ML), successful bidder should provide Proforma Invoice for processeing for EC application and material should be dispatche after receiving of EC rom DGH. In view of the same, an ATC may be incorporated in GeM, viz, "BIDDER/OEM must provide Proforma

Invoice for processing for EC application within 135 days from date of issue of GeM Contract and material should be dispatched after receiving of EC from DGH."

#### 11. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

#### 12. **Purchase Preference (Centre)**

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% 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 percentage of 100% of total value.

#### 13. **Purchase Preference (Centre)**

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

#### 14. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

#### 15. **Warranty**

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

## Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. 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 specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. 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](#)

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.

**---Thank You---**

**DESIGN, SUPPLY, INSTALLATION & COMMISSIONING OF 2 (TWO) NUMBERS 70 M3/HOUR CAPACITY COMPREHENSIVE GROUND WATER TREATMENT FACILITY FOR SHALMARI WATER INJECTION & MORAN WATER INJECTION STATIONS OF OIL INDIA LIMITED**

**AA) ITEM DESCRIPTION:**

**A) SPECIFICATION OF THE GROUND WATER TREATMENT FACILITY FOR SHALMARI WATER INJECTION STATION AND MORAN WATER INJECTION STATION:**

**I) Required Capacity of the Plant: 70 m3/hr**

The offered Plant should be able to provide Filtered Water as per Annexure-A-I. The bidder to provide confirmation that he/she shall offer the facility in order to achieve desired treated water characteristics as provided in Annexure-A-I.

Bidder to note that Characteristics of Ground Water (Raw Water) Quality of the Shalmari Water Injection Station and Moran Water Injection Station are provided in Annexure-A-II. The bidder to design the Water Treatment Facility on the basis of the data provided in Annexure-A-II only.

**II) The offered facility should be designed for Manual operation only.**

**III) The bidder to note that the removal of TSS should be done in at least two stages:**

1. Removal of particle load of coarse to 20 µm
2. Removal of particle load of less than 20 µm to 5 µm

**IV) The offered facility should comprise of the following component/items:**

**1.0 Electrical Motor Driven Dosing pump-sets for Biocide dosing system, Corrosion Inhibitor Dosing system, Anti scalant dosing system, oxygen scavenger dosing system:**

- i) Chlorination/Biocide Dosing system: The raw water shall be chlorinated by dosing (NaOCl) Sodium Hypochlorite solution by means of a metering pump. Chlorination serves the purpose of disinfection, in case bacteria are present in raw water. It is also useful for oxidation of ferrous ions to ferric state. The chemical is dosed by means of an electronic dosing pump wherein a facility is available for manual control of stroke length and stroke frequency.

Dozing of the chemical may be done in the inlet pipe line to the over ground raw water tank or as per standard practice of OEM. Supplier to provide details of the Electrical Motor Driven Chemical Dozing Pumpsets, electrical power requirement etc. along with the bid. Design of the dosing system shall be in Supplier's scope.

- ii) Corrosion Inhibitor Dosing system: Design of the Corrosion Inhibitor dosing system shall be in Supplier's scope. The bidder/supplier has to submit along with the bid, complete details of the Electrical Motor Driven Dosing Pumpset, electrical power requirement, product for the control of corrosion and fouling in the system etc.
- iii) Anti scalant dosing system: Design of the Anti scalant dosing system shall be in Supplier's scope. The bidder/supplier has to submit along with the bid, complete details of the Electrical Motor Driven Dosing Pumpset, electrical power requirement, product/ chemical to be used in the system etc.
- iv) Oxygen scavenger dosing system: Design of the Oxygen scavenger dosing system shall be in Supplier's scope. The bidder/supplier has to submit along with the bid, complete details of the Electrical Motor Driven Dosing Pumpset, electrical power requirement, product/ chemical to be used in the system etc.



- 2.0 Electric Motor Driven (EMD) Raw Water Pump for feeding Filters: The filtration plant shall be equipped with 2 (two) nos. of capacity 70 m<sup>3</sup>/Hr (Minimum) EMD centrifugal pump (1 no. Working & 1 no. Stand by). The pumpset shall take suction from the over ground Raw Water Tank and deliver the raw water to the inlet of the offered filtration facility at required inlet pressure & flow. The EMD Pump should be designed & supplied so as to maintain outlet pressure in such a way that final treated/filtered water can be fed to the 795 KL Overground water storage tank after passing through one number 70KL/Hr capacity Multi Grade Filter & one number 70 KL/Hr capacity Iron Removal Filter.

The pump set should be operated through Electrical Control Panel having specifications as provided in the Electrical Item Specification section. Over ground water Storage Tanks shall be provided by Oil India Limited. However, supplier has to provide details of suction connections required for the pump along with drawing. Suction valves for the raw water pump along with mating flange at the inlet of the suction valve shall be under supplier scope.

- 3.0 MULTI GRADE FILTER (MGF): The raw/treated water shall be pumped to the Multi Grade Filter for reduction of suspended solids. MGF is a depth filter that makes use of coarse and fine media mixed together in a fixed proportion. The arrangement should produce a filter bed with adequate pore dimensions for retaining both large and small suspended particles. This filter shall be able to produce water with less than 5 ppm suspended solids. Capacity design of the MGF should be 70 KL/HR as per design code ASME Sec VIII and Div-I.

Construction of MGF should be Mild Steel conforming to IS:2062 latest standard. The filter to be provided with necessary valves, fittings, manhole, proper arrangement for filling and removal of sand and supporting media and frontal piping network with proper water distribution across the cross section and uniform collection of filtered water. Frontal Piping should be MS as per IS:1239 (Latest standard) Medium Duty. Accessories for each filter - Ladder, Top Ring, Toe Guard etc. as standard supply.

Detail cross sectional drawing of the sand filter shall be provided along with the offer. Detail cross sectional drawing of the Sand Filter along with specification and quantity of filtering sand and supporting media to be provided along with the offer.

- 4.0 IRON REMOVAL FILTER (IRF): The delivery water from MGF shall enter into the Iron Removal Filter for removal of IRON present in the water. IRF shall use resins or special granular media for removing up to 10 ppm of inorganic iron from water and reduce iron to an average of 0.3 ppm. No chemicals shall be used and provision shall be provided for backwashing with only water/treated water. The IRF should be of manually operated and Pressure Vessel shall be of vertical type made with Mild Steel conforming to IS:2062 latest standard and epoxy painted internally. Design of the IRF should be as per applicable ASME Sec VIII. Capacity of IRF should be 70 KL/Hr. The filter to be provided with necessary valves, fittings, manhole, proper arrangement for filling and removal of filter media, frontal piping network complete. Frontal Piping should be MS as per IS:1239 (Latest standard) Medium Duty. Accessories for each filter -Ladder, Top Ring, Toe Guard etc. as standard supply.

IRF shall remove dissolved iron in water along with offensive taste, odour, colour, staining etc. This is to be achieved by use of good quality resins/ special granular media without any use of chemicals.

The resin/media should be regenerative type by backwashing with only water/treated water. Supplier to provide details of resin/media, self life of resin/special media, Detail cross sectional drawing of the Iron Removal Filter along with specification etc. with the bid documents.

- 5.0 PIPING, FLANGES & VALVES: All piping, fittings, flanges , valves, supports etc. complete have to be provided by the supplier as per applicable standards for water filtration plant for Industrial use.

5.0.1 PIPING AND FLANGES:

Material of Piping: Medium Duty; As per IS:1239/ IS:3589 latest edition.

Type: IS 2062

Gaskets: Ring type of natural soft rubber

Structure and support: MS Commercial grade

5.0.2 VALVES:

Pressure Vessel: ASME Sec VIII

MOC of Pressure Vessel: Shell & Dish End IS:2062 Gr. B

Rubber Lining for vessel: As per OEM recommendation

Rubber Lining for Pipes: As per OEM recommendation

Diaphragm Valves to be provided for operating manually in case of sizes 3 inches or less than 3 inches

Butterfly valves to be provided for operating manually in cases of sizes 4 inches or above 4 inches.

Body of Valve: Cast Iron/ as per OEM recommendation

End connection: Flanged/Wafer Type

Valves for instrument isolation, sampling valves: As per OEM recommendation

The bidder to note that all Valves & piping starting from Raw Water Pump suction manifold to the output of the IRF shall be in the scope of supplier. The main operating valves for MGF, IRF should be operated manually. All operating handles are to be provided by the supplier. Valves, pipes and pipe fittings should be of reputed make having proven track records for similar type of use and the make of these items shall be mentioned in the offer along with type and no. of valves and other items.

**B) SPECIFICATIONS OF ELECTRICAL ITEMS (As per Annexure – A-III)**

**BB) SCOPE OF WORK AND SPECIAL TERMS & CONDITIONS:****Part-I :: SCOPE OF SUPPLY FOR EACH WATER TREATMENT FACILITY:**

1.0 The bidder shall be responsible for design & engineering, manufacturing, supply, installation and commissioning of the 70 m<sup>3</sup>/Hour capacity Ground Water Treatment Facility along with supply of required filter medias, chemicals, pipings & fittings, valves etc. complete which shall be capable of bringing down the quality of raw water (Ground Water Parameters provided under Item Description; Annexure-A-II) to the potable water standard as per IS: 10500 (latest edition) & OIL's requirement (Annexure-A-I) specified in this Tender.

2.0 Supplier shall provide followings in each Water Treatment Facility offered for each location:

A) Chlorination/Biocide Dosing System:

- a. 2 Nos. Electrical Motor driven Dosing Pump sets (1 Working & 1 Standby) of suitable design & capacity along with all accessories, essentials, electrical & instrumentation items for dosing Sodium Hypochlorite (NaOCl) solution by means of the metering pump.
- b. 1 no. Chemical Solution Tank of MOC HDPE; Capacity 500 Ltrs.

For specification of the Electrical Items, please refer to Electrical Item Specifications (Annexure-A-III).

B) Electrical Motor Driven Filter Feed Pumps:

- a. 2 Nos. Electrical Motor driven Centrifugal Pump sets (1 Working & 1 Standby) of suitable design & capacity along with all accessories, essentials, electrical & instrumentation items for taking suction of raw water from Suitable capacity Rectangular Water Storage Tank (2 nos. 37 KL capacity Mild Steel Tank shall be provided by OIL for storing raw water from Deep Tube Wells/ Shallow Tube Wells) and to deliver first to the Multi Grade Filter and then to the Iron Removal Filter and finally to OIL's 795 KL Water Storage Tank placed at Overground.

For specification of the Electrical Items, please refer to Electrical Item Specifications (Annexure-A-III).

C) Multi Grade Filter along with required Filter Medias, all accessories complete: 1 No.

Flow to Filter: 70 m<sup>3</sup>/Hr

Diameter: As per OEM

Height: As per OEM

MOC of Dish/Shell: IS 2062 Grade B

Mode of Operation: Manual

Service Cycle Duration: 20 Hours

Flow: Down Flow Unit

Frontal Piping: Mild Steel as per IS 1239 Medium Duty

Accessories: Ladder, Top Ring, Toe Guard and other as per standard supply

D) Iron Removal Filter along with required filter medias, all accessories complete: 1 No.

Flow to Filter: 70 m<sup>3</sup>/Hr

Diameter: As per OEM

Height: As per OEM

MOC of Dish/Shell: IS 2062 Grade B

Mode of Operation: Manual

Service Cycle Duration: 20 Hours

Flow: Down Flow Unit

Frontal Piping: Mild Steel as per IS 1239 Medium Duty

Accessories: Ladder, Top Ring, Toe Guard and other as per standard supply

- E) AIR COMPRESSOR/ BLOWER FOR AIR SCOURING FOR MGF: 2 Nos.  
Capacity: 215 Nm<sup>3</sup>/h (Minimum) or as per OEM Design calculations for capacity requirements  
Head: 3 m (Minimum)/ as per OEM Design  
MOC of casing/ impeller: CI/CI  
Type of Blower/ Compressor: Centrifugal/ In case of compressor suitable design & capacity as per OEM recommendation  
Prime-Mover: Motor  
  
For specification of the Electrical Items, please refer to Electrical Item Specifications (Annexure-A-III).
- F) Backwash Pumps- Positive Suction Pumps: 2 Nos.  
Capacity: 130 m<sup>3</sup>/h (Minimum)/ or as per OEM Design calculations for capacity requirements  
Head: 25 m (Minimum) or as per OEM Design calculations for Head requirements  
MOC of casing/ impeller: CI/CI  
Type of Blower: Horizontal Centrifugal  
Prime-Mover: Motor  
  
For specification of the Electrical Items, please refer to Electrical Item Specifications (Annexure-A-III).
- G) Interconnecting Piping For Each Location for each Filtration Facility:  
  
Frontal Pipes (MS) of all Filter Vessels: Complete  
Intermediate Pipes (MS) of all Filters: Complete  
Air Scouring Line (Mild Steel, Epoxy Painted) for Filters: Complete  
Nuts & Bolts (MS/GI): Complete  
Gaskets: Complete  
Note: All piping will be as per IS 1239/3589 Medium Duty with BRITISH STD Table 10 Flanges
- H) Corrosion Inhibitor Dosing System:  
  
a. 2 Nos. Electrical Motor driven Dosing Pump sets (1 Working & 1 Standby) of suitable design & capacity along with all accessories, essentials, electrical & instrumentation items for dosing corrosion inhibitor.  
b. 1 no. Chemical Solution Tank of MOC HDPE; Capacity 500 Ltrs.  
c. Agitator: 1 No.  
d. MOC of Agitator: SS304 or as per applicable standard  
  
For specification of the Electrical Items, please refer to Electrical Item Specifications (Annexure-A-III).
- I) Anti Scalant Dosing System:  
  
a. 2 Nos. Electrical Motor driven Dosing Pump sets (1 Working & 1 Standby) of suitable design & capacity along with all accessories, essentials, electrical & instrumentation items for dosing Anti Scalant.  
b. 1 no. Chemical Solution Tank of MOC HDPE; Capacity 200 Ltrs.  
c. Agitator: 1 No.  
d. MOC of Agitator: SS304 or as per applicable standard  
  
For specification of the Electrical Items, please refer to Electrical Item Specifications (Annexure-A-III).

- J) Oxygen Scavenger Dosing System:
- a. 2 Nos. Electrical Motor driven Dosing Pump sets (1 Working & 1 Standby) of suitable design & capacity along with all accessories, essentials, electrical & instrumentation items for dosing oxygen scavenger.
  - b. 1 no. Chemical Solution Tank of MOC HDPE; Capacity 200 Ltrs.
- For specification of the Electrical Items, please refer to Electrical Item Specifications (Annexure-A-III).
- K) Flanges & Valves as per applicable standard: Complete
- L) Pressure Gauge: Complete
- M) Flow Meters: Complete
- N) All other standard supply as per OEM design of the Water Treatment Facility, accessories, Electrical & Instrumentation items required for commissioning of the plant successfully by the supplier.
- O) Filter media required for Multi Grade Filter as per design capacity.
- P) Filter media required for Iron Removal Filter as per design capacity.
- Q) Chemicals required for commissioning & trial run of the Dosing Pump-sets.

**Part-II :: SPECIAL TERMS & CONDITIONS**

- 1.0 The bidder shall be responsible for design & engineering, manufacturing, supply, installation and commissioning of the 70 m<sup>3</sup>/Hour capacity Ground Water Treatment Facility for Shalmari Water Injection Station and Moran Water Injection Station, which shall be capable of bringing down the quality of raw water (Ground Water Parameters provided under Item Description; Annexure-A-II) to the potable water standard as per IS: 10500(latest edition) & OIL's specific requirement specified in this Tender (Annexure-A-I).
- 2.0 Technical bid document for the Filtration facility shall include the followings:
- i) Detail technical literature of the offered Facilities including catalogues/ brochures, indicating capacity, filter media, chemicals details along with the offer. The technical literature should clearly show the design parameters of the offered Water Treatment Facility for each location.
  - ii) Detail technical specifications of the offered 70 m<sup>3</sup>/Hour capacity filtration facility detailing all components, equipment, instrument & electrical items along with their make, models etc. Bidder to note that Items of make other than mentioned in the offer shall not be accepted. If at all, any deviation is required, same has to be approved by OIL in advance.
  - iii) Any deviation to the Tender specifications to be informed by the bidder along with the bid documents. Reason for the same to be provided along with the deviation details.
  - iv) Bidder to provide detail design of the capacity requirements of each Pump-sets, Air Compressor/Blower etc. along with the bid documents.
  - v) P&ID, GA Drawing, Foundation Drawings shall have to be provided by the bidder.
  - vi) All the components of the filtration plant shall be brand new, recent make.
  - vii) The components of the filtration Facility such as raw water pump, motors, valves, pipes and pipe fittings etc. if purchased by the supplier from different manufacturer, have to be purchased from OEM or authorized dealer of those components. Corresponding purchased documents shall be produced to OIL's engineer during pre-dispatch inspection.

- viii) The bidder to provide an undertaking along with the bid documents that after sales services and uninterrupted supply of spares shall be available for the offered facility at least for the next 10 yrs.
- ix) Civil Works shall be under OIL's scope.

3.0 Supplier shall provide all documents related to electrical components of the filtration facility as per Annexure – A-III of electrical specification.

4.0 In the event of placement of a confirm order, supplier has to provide to OIL the Lay out drawing of each component/ equipment and the facility as a whole which is to be approved by OIL's Engineer-in-charge before starting manufacturing process of the unit. After getting such approval only supplier shall start the manufacturing process for the plant.

5.0 WARRANTY:

The supplier has to provide warranty for the offered Ground Water Filtration Facility including all instruments and control system for 12 months from the date of successful commissioning. Any equipment including all instruments & control systems, Electrical items etc. if found defective/damaged/malfunctioning during the warranty period, should be replaced/repared at supplier's cost. The supplier has to provide one mandatory inspection cum servicing for the offered Filtration plant free of cost during the warranty period. In addition to this, the supplier has to rectify the system during the warranty period for any equipment failure/malfunctioning including all instruments & control systems.

6.0 PRE-DESPATCH INSPECTION:

OIL's engineer shall inspect the Filtration plant as a whole at manufacturer's work prior to dispatch. Test certificate of all pumps and motors, Filters, special media, resins, chemicals, pipings & fittings, valves etc. to be used in the offered Plant and other related documents of the package have to be produced at the time of inspection. However such inspection will not relieve the supplier of his responsibility to ensure that the equipment supplied conforms to the correct specifications and is free from manufacturing and all other defects. OIL shall bear the cost of travel, boarding & lodging arrangements for the deputed OIL's representative/s for the inspection purpose. Supplier has to inform OIL at least 3 (three) weeks in advance for the inspection at manufacturer's work.

7.0 TRANSPORTATION:

The items to be packaged properly to avoid damage during transportation and all components, instrumentation and electrical equipment, Filters, filter media, pipings, valves etc. are to be suitably packed to avoid water ingress or transit damage.

8.0 INSTALLATION AND COMMISSIONING:

- i) Supplier shall be responsible for successful installation and commissioning of the filtration facility at sites provided by OIL which shall be at the premises of any of OIL's installation within OIL's operational areas in Assam. The installation and commissioning job has to be completed within **90 days** from the date of intimation of site readiness.
- ii) Supplier shall forward details of foundation drawing of the equipment, component, Filters, filtration facility (as a whole) etc. well before dispatch of the Plant (preferably within **30 days** from placement of order). Accordingly, site for installation shall be made ready by OIL. Once the site becomes ready and on receipt of the items at site, supplier shall be informed for commissioning of the same.

- iii) Supplier shall depute commissioning engineer along with technically competent electrical and instrumentation personnel to the site at their own cost till successful commissioning of the plant. OIL shall provide necessary support for required fabrication jobs including welding, cutting equipment. However, all the erection jobs for piping & panel, cable laying jobs for electrical and instrument components shall be done by supplier's personnel.
- iv) After making the plant operationalize for a period of minimum 48 hours, output water of the filtration plant will be tested at OIL's chemical laboratory/ R&D Set-up for comparing the same with IS 10500 standard & as per OIL's specific requirements mentioned in the tender documents. The plant shall be considered as successfully commissioned only on getting output water quality as per IS 10500 standard & as per OIL's specific requirements (Annexure-A-I) mentioned in the tender documents.
- v) After successful commissioning of the plant competent OEM personnel shall provide operational training to OIL's operators at site up to the satisfaction of OIL's concerned engineer. This shall include OEM recommended procedures for operation and maintenance of the plant along with required safety aspects and training on Safe Operating Procedure of the plant.
- vi) During installation and commissioning job, supplier must adhere to all safety norms as laid by OIL during erection of the plant. Supplier has to submit safe working procedure for plant erection and has to be approved by OIL authority. All work should be done only in OIL's normal working Hours.
- vii) Commissioning charges should be quoted separately. The supplier will have to arrange for transportation, boarding & lodging, safety and security of the supplier's personnel(s) during their stay at Duliajan / site for commissioning the unit(s).

**9.0 TRIAL RUN:**

After completion of Installation & Commissioning of the offered Water Treatment facility at OIL's sites, the supplier have to provide necessary support as may be required for rectification of any issue. The supplier may be contacted over telephone or supplier's representative may be required at site depending on the actual requirement at site for such rectification jobs for a period of three months from the date of Installation & Commissioning of the Water Treatment Facility at Shalmari Water Injection Station and Moran Water Injection Station.

**10.0 The supplier shall provide 03 (three) sets in both hard copy and soft copies in CD format of following documents along with the supply of the items. The item shall not be considered as suitable until submission of all relevant documents,**

- a. Operation & Maintenance Manual, parts catalogue
- b. Approved GA and dimensional drawing of all equipment
- d. Bill of materials with technical details of various components
- e. List of recommended spares
- f. All test certificates regarding the pumps and motors
- g. Warranty /Guarantee Certificates

**11.0 The tender document includes the following:**

- |                    |   |
|--------------------|---|
| Annexure – A       | : Technical Specification & Scope of Work               |
| Annexure – A – I   | : Desired treated water characteristics                 |
| Annexure – A – II  | : Basis of data for design the Water Treatment Facility |
| Annexure – A – III | : Specification of Electrical Items                     |
| Annexure – B       | : General Notes to Bidders                              |
| Annexure – C       | : Bid Rejection Criteria / Bid Evaluation Criteria      |

Bidder(s) must submit their offer in compliance to this GeM Tender including GeM General Terms & Conditions and all above mentioned Annexures.

**ANNEXURE-A-I**

**A) Details of desired water quality of injection water (after water treatment) have been furnished below:**

Sl. No.	Parameters	Unit	Value
1	pH	-	6.50 - 8.50
2	DO	ppm	< 0.02
3	Turbidity	NTU	< 0.50
4	TSS of size a) Compulsorily < 20 $\mu\text{m}$ b) Preferably < 5.0 $\mu\text{m}^{**}$	Ppm ppm	< 2.5 < 20.0
5	Filterability (through 0.45 $\mu$ Filter)	min/2L	< 10.0
6	Iron content	ppm	< 0.20
7	Total hardness	ppm	20.0 – 30.0
8	Bacteria count	cfu	< 100



**ANNEXURE-A-II**

**Details of un-treated ground water parameters measured at source Tube Wells of Shalmari WI & Moran WI are furnished below:**

<b>Sl. No.</b>	<b>Parameters</b>	<b>WIS#Moran</b>	<b>WIS#Shalmari</b>
1	pH	7.55	7.59
2	DO (ppm)	0.72	2.26
3	Turbidity (NTU)	18.59	66.49
4	TSS (ppm)	16.71	3.14
5	Filterability (min/2L)	4.61	4.59
6	Fe (ppm)	8.69	1.85
7	SO <sub>4</sub> (ppm)	13.06	10.56
8	Manganese (ppm)	0.35	0.05
9	Alkalinity as CaCO <sub>3</sub> (ppm)	90.5	122.3
10	Carbonate (ppm)	0.0	0.0
11	Bicarbonate (ppm)	108.5	149.0
12	Sodium (ppm)	10.0	8.2
13	Magnesium (ppm)	9.1	18.3
14	Chloride (ppm)	5.6	6.6
15	TDS (ppm)	151.8	171.2
16	Calcium (ppm)	11.0	11.8

**A) SCOPE OF SUPPLY OF ELECTRICAL ITEMS FOR EACH WATER TREATMENT PLANT:**

Sl. No.	Equipment	Location
1	Motors	i) Raw Water Pump/Filter Feed Pump ii) Biocide Dosing Pump iii) Corrosion Inhibitor Dosing Pump Compressor iv) Anti Scalant Dosing Pump v) Oxygen Scavenger Dosing Pump vi) Blower/Air Compressor vii) DMF Backwash Pump
2	Power & Control Cables and cable trays	For Each Water Treatment Plant at Each location
3	Junction Boxes	
4	MCC Panel with Drives	
5	Power & Termination Accessories	
6	LPBS	
7	Power Cable Trays with Tray supports	
8	Junction Box	

**Other Items to be provided by supplier:**

1. P&ID, GA Drawings, Foundation Drawings
2. Field Instruments as per offer
3. Local Push Buttons
4. Power Cable from MCC to Motors

**Under OIL's scope:**

- Incoming Power supply to MCC
- Structural Support for Trays
- Above Ground Earthing
- Below Ground Earthing
- Supports within Battery Limit
- Lighting Arrestor
- Plant Internal Lighting

**B) Specifications for Electrical Items:**

(A) Motor Specification: Motor ratings shall be as per the plant capacity and to be decided by supplier. General specifications of the Motor:

- ❖ Type: 3 phase, AC squirrel cage induction motor conforming to **IS 12615 : 2018**.
- ❖ HP or KW Rating: As per plant capacity
- ❖ Enclosure: TEFC with Degree of protection - IP55
- ❖ Insulation: Vacuum pressure impregnated. Class F with winding temperature rise limited to value specified for class B insulation.
- ❖ Ambient: Suitable for 40° C max, 5° C min, 150 m Alt, 95% RH
- ❖ Voltage: Motor shall be suitable for 415 ± 6% volts, 3-phase, 50 cycles. AC supply.
- ❖ RPM: To match driven load
- ❖ Duty: Continuous (S1)
- ❖ Starting: DOL (for motors of rating up to 12.5 HP), Star-Delta (for motors of rating above 12.5 HP)
- ❖ Switching: 15 Starts / Hour

(B) Terminal Box: Cable terminal box with brought out terminals suitable for terminating 3 core PVCA aluminium cables and 1 no. cable entry hole. The brought out terminals shall be of brass and mounted on non - hygroscopic insulation (FRP or DMC) suitable for climate.

Glands: Weatherproof, heavy duty, single compression, nickel plated brass gland(s) shall be supplied with the motor.

Earthing: Two nos. of earthing studs to be provided on both sides of the motor. Earthing system for the motor shall be as per the IS: 3043.

Lifting Eye: One no. lifting hook shall be provided for lifting the motor.

Markings: Corrosion proof name plate shall have following details. Name of manufacturer, frame size, rated voltage, rated output, current, frequency, type of duty, class of insulation, no. of phases, speed in rpm, winding connection, bearing sizes and year of manufacturing.

Motor Make: Bharat Bijlee / Crompton Greaves / KEC / Siemens / NGEF / Marathon.

(C) Specification of Starter Control Panel: The starter control panel shall be industrial type complete with self-supporting and floor mounting stand, built with rigid framework of suitable size MS Angle/Channel of sufficient strength, dust and vermin proof made of 14SWG CRCA sheet steel, cubicle type, having front hinged door with locking arrangement, danger plate fitted on body of the panel, lifting hooks on top, double earthing studs on two sides (both inside and outside).

Ventilation louvers shall be provided on both sides; however, louvers shall be shielded with fine wire mesh (inside the panel).

The panel shall be thoroughly treated in a minimum nine tank anti-corrosion treatment plant before and then powder coated with DA grey paint as per BIS. Painting thickness shall be minimum 80 microns.

The Starter Control Panel shall have following components:

- ❖ Motor Protection Circuit Breaker (MPCB) unit as incomer (rating as per motor running/starting current calculation), MPCB shall have suitable cable entry arrangement with brought out terminals for terminating the incoming cable. The MPCB shall have overload/short circuit protection with adjustable settings. Make: Schneider/Siemens/Legrand/GE/ABB / L&T
- ❖ Earth leakage protection with separate earth leakage sensing relay-CBCT combination at the outgoing portion of the MPCB. Earth leakage current setting shall be adjustable in steps from 30mA to 3.0 Ampere and time setting shall also be adjustable in steps from 0 to 5 seconds. The earth leakage relay/unit shall have indication LEDs, test push button, reset push button and shall be duly wired up to trip starter in case of earth leakage. Make: Schneider/Siemens/Legrand/GE/ABB / L&T
- ❖ Power contactor, rating as per motor current requirement, AC3 duty, heavy duty long life type, with 4NC + 4NO auxiliary contacts. Make: Schneider/Siemens/Legrand/GE/ABB / L&T
- ❖ Thermal overload relay (Range as per motor current) with inbuilt single phase preventor. Make: Schneider/Siemens/Legrand/GE/ABB/L&T
- ❖ START/STOP push buttons with terminals. Make: Siemens/L & T/GE/Schneider/L&T
- ❖ Metering & indication: The panel shall have meters and indication for the following information:
  - i) Voltage of all three phases through analog type voltmeter with inbuilt voltmeter selector switch (make: Voltmeter-AE/Conzerv/L&T), size 96mmX96mm, class of accuracy 0.5
  - ii) Motor Current through cast resin type CTs of rating 50/5, class of accuracy 0.5, analog ammeter (make: Ammeter-AE/Conzerv, CT-Kappa/Siemens/Conzerv)), size 96mmX96mm. CT to be in yellow phase.
  - iii) Indications: LED type indicating lamps with complete fittings, with legend plate for 'Motor Run', 'Motor Off', 'Motor Trip on Fault'(make: Teknic/Binoy/L&T).
- ❖ Suitable cable entry arrangement with detachable gland plates and adequate nos. of single compression, heavy duty nickel plated brass/SS glands shall be provided for terminating the incoming (4 core) and outgoing PVCA, aluminium cables including cables for remote push buttons (3 x 2.5 sq mm, PVCA aluminium). All cable entries shall be from bottom and detachable gland plate for all cable entries shall be at a min. height of 450mm from floor level. The sides of the cable entry box shall be parallel and not tapered.
- ❖ General Notes on starters:
  - i) The Starter Control Panel shall be weatherproof with IP55 degree of protection.
  - ii) Control wiring shall be done with single core, 2.5 mm<sup>2</sup>, PVC insulated, stranded, 1100V grade copper wires. The control voltage shall be 230VAC, 50 Hz.
  - iii) All wires shall have ferrule numbers for proper identification as per approved drawings. Wire ends shall have proper size tinned copper lugs for termination.

- iv) Legend plates for the indication lamps, meters, control switches / buttons and labels for the terminals shall be provided.
- v) Sufficient space shall be provided in the starter for cable termination, dressing and connecting cable leads to the brought out terminals.
- vi) The starter panel shall be offered for inspection & testing at the manufacturers' premises before dispatch.

**(D) DOCUMENTS:**

- ❖ Bidder must clearly mention any deviations taken by them from the NIT Specifications along with justification. OIL reserves the right to accept or reject the deviations.
- ❖ The following documents shall be submitted with the offer
  - i) Indicative GA and dimensional drawing of the starter panels.
  - ii) Indicative Power and control circuit diagrams with Bill of materials and technical details of various components of the Starter Control Panel.
- ❖ The successful bidder shall obtain approval for the drawings prior to manufacturing of equipment/panel. The manufacture of the unit is to be started only after written approval of the drawings by OIL.
- ❖ Three bound sets of the following documents, shall be submitted with the supply
  - i) Approved GA and dimensional drawing of all equipment.
  - ii) Approved Power and Control circuit diagrams.
  - iii) Bill of materials with technical details of various components of the Starter Control Panel.
  - iv) List of recommended spares for two years.
  - v) Technical details/catalogue of the motor.
  - vi) All test certificates.
  - vii) Guarantee Certificates
- ❖ One laminated copy of the approved power & control circuit drawing shall be pasted inside of the front door of the Starter Control Panel.

**(E) General Notes for electrical items and works:**

- i) The electrical items (motor & starter) shall be offered for pre-despatch inspection and testing at the Manufacturer's premises before dispatch.
- ii) Packing shall be adequate to avoid transit damage and water ingress.
- iii) Installation, testing and commissioning of electrical items shall be in the scope of the supplier. Installation job includes connection of the electrical motors, starter panels, earthing works etc. as required for success operation of the plant. Only one single point power source (50HZ, 415V, 3 Phase, 3 wire without neutral point) will be provided by OIL. All the electrical works down the line shall be in the scope of supplier of IR the plant.

## **ANNEXURE-B**

### **A) GENERAL NOTES TO BIDDERS:**

SL No.	Bid Requirement	Bidder's Response (Complied/Not Complied. Reference to any document attached along with the bid)
1.0	Bidders shall submit their offer mentioning pointwise compliance / non-compliance to all the terms & conditions, BEC/BRC, Specifications etc. Any deviation(s) from the tender terms & conditions, BEC/BRC, Specifications etc. should be clearly highlighted specifying justification in support of deviation.	
2.0	Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.	
3.0	The items covered in this Tender shall be used by Oil India Limited in the PEL/ML areas and hence concessional GST @5% (for indigenous bidder) will be applicable as per Govt. Policy in vogue. Successful bidder shall arrange to provide all necessary documents (invoice etc.) to OIL for applying Essentiality Certificate atleast 45 days prior to stipulated Delivery date. Further, Successful bidder shall affect dispatch only on receipt of relevant certificates/ shipment clearance from OIL, failing which all related liabilities shall be to Supplier's account.	
4.0	<p>Categorisation and various Criteria applicable to MSE bidders shall be guided by the Gazette Notification No. CG-DL-E-26062020-220191 dated 26.06.2020 and Amendment vide Gazette Notification no. CG-DLE-16062021-227649 dated 16th June, 2021 issued by Ministry of MICRO, SMALL AND MEDIUM ENTERPRISES. The existing enterprises registered under EM- Part-II or UAM till 30th June, 2020 shall continue to be valid only for a period up to the 31st day of December, 2021.</p> <p>The bidder claiming as MSE status (MSE-General, MSE-SCIST, MSE -Woman) against this tender has to submit the following documents for availing the benefits applicable to MSEs:</p> <p><b>Udyam Registration Number with Udyam Registration Certificate.</b></p> <p><b>OR</b></p> <p><b>Proof of registration with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or Udyog Aadhar registration or registration with any other body specified by Ministry of MSME.</b></p> <p>Note: In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur or Woman Entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur/ Woman Entrepreneurs should also be enclosed.</p>	

5.0	<p>Ministry of Finance of Govt. of India, Department of Expenditure, Public procurement Division vide office memorandum F. No. 6/18/2019-PPD dated 23rd July, 2020 (order-Public Procurement no.1) has proclaimed the insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017 w.e.f. 23rd July, 2020 regarding restrictions on procurement from a bidder of a country which shares a land border with India on the grounds of defence of India on matters directly or indirectly related thereto including national security. Bidders are requested to take note of the office memorandum and submit their offers accordingly, wherever applicable.</p>	
6.0	<p>Bidders to note that Ministry of Petroleum &amp; Natural Gas, Government of India implemented PPLC Policy to provide Purchase Preference (linked with local content) by notification no. Ref. FP-20013/2/2017-FP-PNG dtd. 17.11.2020 and its amendment issued from time to time. PP-LC Policy (including its latest modifications/amendments) as may be prevailing on the date of Price Bid Opening shall be applicable against this tender. Bidders are requested to go through the policy and take note of the following while submitting their offer.</p> <p><b>As per the policy, the bidder must be incorporated in India and must maintain more than 20% local content (LC) for the offered items to be eligible to bid against this tender.</b></p> <p>1. <u>Certification and Verification</u></p> <p>Class I/Class II Local suppliers are eligible to bid only if they meet the local content norms, therefore whether or not they want to avail PP-LC benefit, it will still be mandatory for them to give adequate documentation as follows to establish their status as class-I or class-II local supplier:</p> <p>(i) <u>At bidding stage:</u></p> <p>a) Price Break-up:</p> <ul style="list-style-type: none"> <li>The bidder shall provide the percentage of local content in the bid.</li> </ul> <p>b)</p> <ul style="list-style-type: none"> <li>The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.</li> <li>In cases of procurement for a value in excess of Rs 10 crores, the undertaking submitted by the bidder shall be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practising chartered accountant (in respect of other than companies) giving the percentage of local content.</li> <li>However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.</li> </ul> <p>(ii) <u>After Contract Award</u></p> <ul style="list-style-type: none"> <li>The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.</li> <li>In cases of procurement for a value in excess of Rs 10 crores, the</li> </ul>	

	<p>undertaking submitted by the bidder shall be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practising chartered accountant (in respect of other than companies) giving the percentage of local content.</p> <ul style="list-style-type: none"> <li>• However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.</li> </ul> <ol style="list-style-type: none"> <li>2. Each supplier shall provide the necessary local-content documentation to the statutory auditor, which shall review and determine that local content requirements have been met, and issue a local content certificate to that effect on behalf of procuring company, stating the percentage of local content in the good or service measured. The Auditor shall keep all necessary information obtained from suppliers for measurement of Local Content confidential.</li> <li>3. The Local Content certificate shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.</li> <li>4. As regards cases where currency quoted by the bidder is other than Indian Rupee, exchange rate prevailing on the date of notice inviting tender (NIT) shall be considered for the calculation of Local Content.</li> <li>5. The Procuring Company shall also have the authority to audit as well as witness production processes to certify the achievement of the requisite local content.</li> </ol>	
6.1	Percentage of Local Content (to mention by the bidder)	
6.2	<p>Bidder to categorically confirm under which policy i.e. PP-LC or MSME, they want to avail the purchase preference. Accordingly, bidder must submit requisite document/certificate in support to avail this benefit. The bids will be evaluated based on their declaration.</p> <p>In case bidder do not submit their preference among PP-LC &amp; MSME and submit documents against both, then the offer will be evaluated by giving benefits under MSME policy and it will be binding on the bidder.</p>	
7.0	<p><b>TAX COLLECTIBLE AT SOURCE (TCS):</b> Tax Collectible at Source (TCS) applicable under the Income-tax Law and charged by the SUPPLIER shall also be payable by OIL along with consideration for procurement of goods/materials/ equipment. If TCS is collected by the SUPPLIER, a TCS certificate in prescribed Form shall be issued by the SUPPLIER to OIL within the statutory time limit.</p> <p>Payment towards applicable TCS u/s 206C (IH) of Income Tax Act, 1961 will be made to the supplier provided they are claiming it in their invoice and on submission of following undertaking along with the invoice stating that:</p> <ol style="list-style-type: none"> <li>a) TCS is applicable on supply of goods invoiced to OIL as turnover of the supplier in previous year was more than Rs. 10 Cr. and</li> <li>b) Total supply of goods to OIL in FY ..... (As applicable) exceeds Rs. 50 Lakh and</li> <li>c) TCS as charged in the invoice has already been deposited (duly indicating the details</li> </ol>	



	<p>such as challan No. and date) or would be deposited with Exchequer on or before the due date and</p> <p>d) TCS certificate as provided in the Income Tax Act will be issued to OIL in time.</p> <p>However, Performance Security deposit will be released only after the TCS certificate for the amount of tax collected is provided to OIL. Supplier will extend the performance bank guarantee (PBG), wherever required, till the receipt of TCS certificate or else the same will be forfeited to the extent of amount of TCS, if all other conditions of Purchase order are fulfilled.</p> <p>The above payment condition is applicable only for release of TCS amount charged by supplier u/s 206C (I H) of Income tax Act, 1961.</p>	
8.0	<p><b>APPLICABILITY OF BANNING POLICY OF OIL INDIA LIMITED:</b></p> <p>Banning Policy dated 6th January, 2017 as uploaded in OIL's website will be applicable against the tender (and order in case of award) to deal with any agency (bidder/contractor/supplier/ vendor/service provider) who commits deception, default, fraud or indulged in other misconduct of whatsoever nature in the tendering process and/or order execution processes. Applicability of the policy shall include but not limited to the following in addition to other actions like invoking bid security/performance security/cancellation of order etc. as deemed fit and as mentioned elsewhere in the tender:</p> <ol style="list-style-type: none"> <li>Backing out by bidder within bid validity.</li> <li>Backing out by successful bidder after issue of LOA/Order/Contract</li> <li>Non/poor performance and order/contract execution default.</li> </ol> <p>The bidders who are on Holiday/Banning/Suspension list of OIL on due date of submission of bid/ during the process of evaluation of the bids, the offers of such bidders shall not be considered for bid opening/evaluation/award. If the bidding documents were issued inadvertently/downloaded from website, the offers submitted by such bidders shall also not be considered for bid opening/evaluation/Award of Work.</p>	
9.0	<p>At any time prior to the deadline for submission of bids, the Company may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the tender Documents through issuance of Corrigendum(s)/Addendum(s). Bidders are expected to take the Corrigendum(s)/Addendum(s) into account in preparation and submission of their bid. No separate intimation for Corrigendum(s)/Addendum(s) published by OIL shall be sent to the Bidders.</p>	
10.0	<p>The tender document includes the following:</p> <p>Annexure – A : Technical Specification &amp; Scope of Work</p> <p>Annexure – A – I : Desired treated water characteristics</p> <p>Annexure – A – II : Basis of data for design the Water Treatment Facility</p> <p>Annexure – A – III : Specification of Electrical Items</p> <p>Annexure – B : General Notes to Bidders</p> <p>Annexure – C : Bid Rejection Criteria / Bid Evaluation Criteria</p> <p>Bidder(s) must submit their offer in compliance to this GeM Tender including GeM General Terms &amp; Conditions and all above mentioned Annexures.</p>	

11.0	<p>The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide PROFORMA-5 of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway.</p> <p>OIL's Independent External Monitors at present are as under:</p> <p>SHRI RUDHRA GANGADHARAN, IAS (Retd.), Ex-Secretary, Ministry of Agriculture E-Mail ID: rudhra.gangadharan@gmail.com</p> <p>SHRI SUTANU BEHURIA, IAS (Retd.), E-mail ID: sutanu2911@gmail.com</p> <p>SHRI OM PRAKASH SINGH, IPS (Retd.),, Former DGP, Uttar Pradesh E-mail: Ops2020@rediffmail.com</p> <p>In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact.</p> <p>In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manner. If required, the organizations may adopt any mediation rules for this purpose. In case, the dispute remains unresolved even after mediation by the panel of IEMs, the organisation may take further action as per the terms and conditions of the contract.</p>	
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## **ANNEXURE-C**

### **BID EVALUATION / REJECTION CRITERIA:**

The bids shall conform to the specifications and terms & conditions given in the Tender. Bids shall be rejected in case the items offered do not conform to the required parameters stipulated in the technical specifications and to the relevant international/national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms & conditions, the following requirements must be particularly met by the bidders, without which the offer shall be considered as non-responsive and rejected. All the documents related to BEC shall be submitted along with the technical bid.

<b>Sl. No.</b>	<b>Bid Requirement</b>	<b>Bidder's Response (Complied/Not Complied. Reference to any document attached along with the bid)</b>
<b>A.1: TECHNICAL</b>		
<b>1.0</b>	<b>BIDDER'S QUALIFICATION</b>	
1.1	The bidder shall be an Original Equipment Manufacturer (OEM) of Similar Item	
OR		
1.2	The bidder shall be an authorized dealer/ distributor/selling agent/supply house of OEM of Similar Item.	
<b>2.0</b>	<b>BIDDER'S EXPERIENCE</b>	
<b>2.1</b>	<b>In case, the bidder is an Original Equipment Manufacturer (OEM), the following criteria shall have to be met by the Bidder:</b>	
2.1 (a)	The bidder shall have the experience of manufacturing and successfully executing at least 1 (one) order for supply of "similar item" to any Central/State Govt. Organization/PSU/Public Limited company in last 5 (five) years preceding from the original bid closing date of the tender (either by themselves or through their sole selling agent/ distributor/ dealer/ supply house)	
<b>2.2</b>	<b>In case the Bidder is an authorized dealer of OEM, the following criteria shall be met by the Bidder:</b>	
2.2 (a)	Bidder shall submit along with the bid a valid Authorization Certificate from the OEM (in original on manufacturer's letter head with signature & stamp). The authorization certificate must remain valid during entire execution period of the order.	

2.2 (b)	The bidder shall have the experience of successfully supplying the "similar item" from Manufacturer (OEM) who meets the qualification requirements as per Para 2.1(a).	
<b>Note to Para 2.0:</b> <b>"Similar Item" as above means Ground Water Filtration Facility of capacity not less than 70 KL/HR.</b>		
3.0	<p>Following documentary evidence in respect of clauses 2.1 (a) and 2.2 (b) above shall be submitted alongwith the technical bid:</p> <p>a) Copy(ies) of Purchase Order(s) / Contract document(s),</p> <p style="text-align: center;">“AND”</p> <p>b) Any of the following documents that confirms the successful execution of the order(s)-</p> <ul style="list-style-type: none"> <li>• Performance/Commissioning Report from the clients</li> <li>• Delivery challan / invoice etc.</li> <li>• Any other documentary evidence that can substantiate the successful execution of the aforesaid Purchase Order(s)/ contract(s).</li> </ul> <p>Note:</p> <p>I) The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.</p> <p>II) Satisfactory Supply / Completion / Installation / Performance / Commissioning report submitted should be issued on client's official letterhead with signature and stamp.</p>	
3.0	Bidder should categorically confirm in the technical bid a delivery schedule within 180 days after receipt of formal order.	
<b>A.2: FINANCIAL</b>		
1.0	The bidder shall have an annual financial turnover of minimum Rs. 79.80 Lakh during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender.	
2.0	"Net Worth" of the bidder should be positive for the financial / accounting year just preceding to the original bid closing date of the tender.	
3.0	Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not	

	<p>available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking (refer <b>PROFORMA- 1</b>) certifying that 'the balance sheet/Financial Statements for the financial year (As the case may be) has actually not been audited so far'.</p>	
	<p>Note:</p> <p>a) For proof of Annual Turnover &amp; Net worth any one of the following document must be submitted along with the bid:-</p> <p>i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover &amp; Net worth as per format prescribed in <b>PROFORMA – 2</b>. OR</p> <p>ii) Audited Balance Sheet along with Profit &amp; Loss account.</p> <p>b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.</p>	
4.0	<p>In case the Bidder is subsidiary company (should be 100% owned subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits its bid based on the strength of parent/ ultimate parent/ holding company, then following documents need to be submitted:</p> <p>i) Turnover of the parent/ ultimate parent/ holding company should be inline with requirement.</p> <p>ii) Net Worth of the parent/ultimate parent/ holding company should be positive in line with the requirement.</p> <p>iii) Corporate Guarantee (as per <b>PROFORMA-3</b>) on parent / ultimate parent / holding company's company letter head signed by an authorised official undertaking that they would financially support their wholly owned subsidiary company for executing the project/ job in case the same is awarded to them.</p> <p>iv) Document of subsidiary company being 100% owned subsidiary of the parent/ ultimate parent/ holding company.</p>	

## **PROFORMA-1**

### **FORMAT FOR CERTIFICATE OF COMPLIANCE OF FINANCIAL CRITERIA**

Ref: Financial Criteria of the BEC

Tender No.: \_\_\_\_\_

I ..... the authorized signatory(s) of ..... (Company or firm name with address) do hereby solemnly affirm and declare as under:-

The balance sheet/Financial Statements for the financial year \_\_\_\_\_ (as the case may be) has actually not been audited as on the Original Bid closing Date.

Place :.....

Date :.....

Signature of the authorized signatory

Note: This certificate is to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date.

## **PROFORMA-2**

### **CERTIFICATE OF ANNUAL TURNOVER & NET WORTH**

TO BE ISSUED BY PRACTISING CHARTERED ACCOUNTANTS' FIRM ON THEIR LETTER HEAD

**TO WHOM IT MAY CONCERN**

M/s.....(Name of the bidder) for the last three (3) completed accounting years

<b>YEAR</b>	<b>TURN OVER In INR (Rs.) Crores</b>	<b>NET WORTH In INR (Rs.) Crores</b>

Place:

Date:

Seal

Membership No:

Signature

**NOTE:** As per the guidelines of ICAI, every practicing CA is required to mention Unique Document Identification Number (UDIN) against each certification work done by them. Documents certified by CA without UDIN shall not be acceptable.

## **PROFORMA-3**

### **PARENT/ULTIMATE PARENT/ HOLDING COMPANY'S CORPORATE GUARANTEE TOWARDS FINANCIAL STANDING**

**(Delete whichever not applicable)**

**(TO BE EXECUTED ON COMPANY'S LETTER HEAD)**

#### **DEED OF GUARANTEE**

THIS DEED OF GUARANTEE executed at ..... this ..... day of ..... by M/s.....(mention complete name) a company duly organized and existing under the laws of..... (insert jurisdiction/country), having its Registered Office at ..... hereinafter called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their Tender No. \_\_\_\_\_ for \_\_\_\_\_ and M/s \_\_\_\_\_ (Bidder) intends to bid against the said tender and desires to have Financial support of M/s \_\_\_\_\_ [Parent/Ultimate Parent/Holding Company(Delete whichever not applicable)] and whereas Parent/Ultimate Parent/Holding Company(Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the Financial support as required by the bidder for qualifying and successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed by the Guarantor to give this Guarantee and undertakes as follows:

1. The Guarantor confirms that the Bidder is a 100% subsidiary of the Guarantor.
2. The Guarantor agrees and confirms to provide the Audited Annual Reports of any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
3. The Guarantor have an annual financial turnover of minimum INR \_\_\_\_\_ Cr or USD \_\_\_\_\_ during any of the preceding 03(three) financial/ accounting years reckoned from the original bid closing date.
4. Net worth of the Guarantor is positive for preceding financial/ accounting year.
5. The Guarantor undertakes to provide financial support to the Bidder for executing the project/job, in case the same is awarded to the Bidder.
6. The Guarantor represents that:

(a) this Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Bidder.

(b) the liability of the Guarantor, under the Guarantee, is limited to the 100% of the order value between the Bidder and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Bidder.

(c) this Guarantee has been issued after due observance of the appropriate laws in force in India.

(d) this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of New Delhi, India.

(e) this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.

(f) the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

for and on behalf of  
(Parent/Ultimate Parent/Holding Company)  
(Delete whichever not applicable)

for and on behalf of  
(Bidder)

Witness:

- 1.
- 2.

Witness:

- 1.
- 2.