

Bid Document

Bid Details	
Bid End Date/Time	12-11-2021 09:00:00
Bid Opening Date/Time	12-11-2021 09:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Petroleum And Natural Gas
Department Name	Oil India Limited
Organisation Name	Oil India Limited
Office Name	Oil India Limited
Total Quantity	3
Item Category	GU-I - Skid Mounted Two-Phase Horizontal Separator Package with Vane/Mesh Type Mist Extractor , TU-I- Skid Mounted Two-Phase Vertical Gas Oil Separator Package with Vane/Mesh Type Mist Extractor , HPMS - Skid Mounted Two-Phase Vertical Separator Package with Vane/Mesh Type Mist Extractor
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,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
Bid to RA enabled	No
Primary product category	GU-I - Skid Mounted Two-Phase Horizontal Separator Package with Vane/Mesh Type Mist Extractor
Time allowed for Technical Clarifications during technical evaluation	5 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Stage-wise Inspection

Bid Details	
Name of the Empanelled Inspection Agency/ Authority	Board of Officers
Payment Timelines	Payments shall be made to the Seller within 30 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	Total value wise evaluation

EMD Detail

Required	No
----------	----

ePBG Detail

Advisory Bank	HDFC Bank
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	24

(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
-------------------------	-----

MSE Purchase Preference

MSE Purchase Preference	Yes
-------------------------	-----

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.

GU-I - Skid Mounted Two-Phase Horizontal Separator Package With Vane/Mesh Type Mist Extractor (1 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Unbranded
------------	-----------

Technical Specifications

Buyer Specification Document	Download
------------------------------	--------------------------

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Babul Kumar Borah	786171,OIL INDIA LIMITED, OFFICE OF THE ASSET MANAGER, EASTERN ASSET, DIGBOI	1	300

TU-I- Skid Mounted Two-Phase Vertical Gas Oil Separator Package With Vane/Mesh Type Mist Extractor (1 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Unbranded
------------	-----------

Technical Specifications

Buyer Specification Document	Download
------------------------------	--------------------------

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Babul Kumar Borah	786171,OIL INDIA LIMITED, OFFICE OF THE ASSET MANAGER, EASTERN ASSET, DIGBOI	1	300

HPMS - Skid Mounted Two-Phase Vertical Separator Package With Vane/Mesh Type Mist Extractor (1 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Unbranded
------------	-----------

Technical Specifications

Buyer Specification Document	Download
------------------------------	--------------------------

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Babul Kumar Borah	786171,OIL INDIA LIMITED, OFFICE OF THE ASSET MANAGER, EASTERN ASSET, DIGBOI	1	300

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	Notes & BEC BRC & Checklist View	Notes & BEC BRC & Checklist	GU-I - Skid Mounted Two-Phase Horizontal Separator Package With Vane/Mesh Type Mist Extractor(1),TU-I- Skid Mounted Two-Phase Vertical Gas Oil Separator Package With Vane/Mesh Type Mist Extractor(1),HPMS - Skid Mounted Two-Phase Vertical Separator Package With Vane/Mesh Type Mist Extractor(1)

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 Additional Terms and Conditions

- 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.
- 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](#)
- Bidder shall submit the following documents along with their bid for Vendor Code Creation:
 - Copy of PAN Card.

b. Copy of GSTIN.

c. Copy of Cancelled Cheque.

d. Copy of EFT Mandate duly certified by Bank.

4. **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.
5. Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.
6. 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
7. 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.
8. Wherever Essentiality Certificate is applicable (PEL/ML), successful bidder should provide Proforma Invoice for processing for EC application and material should be dispatched after receiving of EC from 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 265 days from date of issue of GeM Contract and material should be dispatched after receiving of EC from DGH."
9. **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.

10. **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.
11. 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.

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---

ITEM NO. 10

Technical Specification – Group Unit-I

Design Pressure: 40 KSC

Design, Fabrication / Manufacturing, unitisation / packaging, testing & supply of Skid Mounted Two-Phase Horizontal Separator Package with Vane/Mesh Type Mist Extractor as per API specification 12J, ASME Section VIII DIV-I complete with all mountings, accessories, piping & valves (All unitized in a single skid compatible for inter location movements).

CAPACITY: 910 KLPD of Liquid (Crude Oil & Water) & 0.22 MMSCM per day (8 MMSCFD) of Gas.

PROCESS BRIEF: Oil-Gas separator package is a skid mounted, modular designed, packaged unit for continuous production of liquid (Crude Oil & Water). 2-phase separator will be used for separation of mixture of crude oil & water and natural gas.

The package should be complete with accessories and mountings as specified under.

1.0 SERVICE REQUIREMENT:

1.1 The unit is to be designed and manufactured to meet the following service requirement:

- a) To separate liquid (Crude Oil & Water) and Gas efficiently.
- b) To arrest 99% entrained liquid particles from the separated gas for the particle size up to 10 micron.
- c) Suitable provision to take liquid and gas samples for analysis.

1.2 SEPARATOR SIZING PARAMETERS:

The Separator Units are to be sized to suit the following service condition:

i) Separator Configuration: The Separators should be horizontal, cylindrical shell type having dished end.

ii) Well Stream Characteristics:

As the separator will be used in the process layout of differential separation of crude oil, water and natural gas, the unit will be subjected to the well fluid having a wide range of characteristics. The likely range of characteristics of the well fluid is given below for design purpose.

- | | |
|-----------------------------|---|
| a) Water content (Produced) | : 0% - 80% |
| b) API gravity of crude oil | : 20 Deg – 35 Deg |
| c) Water specific gravity | : 1.02 – 1.08 |
| d) Gas gravity | : 0.65 – 0.70 (Air = 1) |
| e) Pour Point of crude oil | : 27 Deg – 33 Deg C. |
| f) Wax (Paraffin) content | : 10% maximum by volume. |
| g) Sand /solid/slit content | : There may be some amount of sand/slit/drilling fluids content in the well stream. |

iii) Operating Pressure, Temperature and detail of item:

a) Operating Pressure	: 35 kg/Sq. cm
b) Mechanical Design Pressure	: 40 kg/ Sq. cm
c) Design Temperature	: 5 Deg C to 80 Deg C
d) Operating Temperature	: 40 Deg C
e) Retention time	: 3 (three) minutes
f) Mist separation	: above 10 (Ten) micron
g) Type of separator	: Horizontal, Vane pack.
h) Liquid drain Header Pressure	: 5 kg/ Sq. cm (Downstream of Liquid Dump Valve)

2.0 SCOPE OF WORK:

Scope of works includes design, fabrication, packaging, testing & supply of the separator package. Details of the same are as under:

2.1 Design of the vessel to be done to meet the duty conditions and separation of liquid & gas specified under Point No 1.1 & 1.2 above.

2.2 Mechanical Design & Fabrication of the vessel/separator unit:

The separator, piping and valves must be designed and fabricated considering the following parameters in addition to the parameters given in Point No 1.1 & 1.2 above.

- a) Shell Body diameter : Diameter of the vessel shall not be more than 3 meter.
- b) Corrosion Allowance : 3 mm (1/8")
- c) Dished end shall be pressed and spun in dished end spinning machine.
- d) Material of construction:
 - i) Separator Shell : SA 516 Gr. 70
 - ii) Flanges : ASTM A 105, Conforming to ANSI B 16.5
 - iii) Nozzles : SA 106 Gr. B
 - iv) Pipes : SA 106 Gr. B
 - v) Screwed Fittings : ASTM A 105 Gr. B
 - vi) Welded Fittings : ASTM A 234 Gr. WBP
 - vii) Studs : ASTM A 193 Gr. B 7
 - viii) Nuts : ASTM A 194 Gr. 2 H
 - ix) Gasket : Spiral Wound Non-Asbestos as per ANSI B16.20
 - x) Vane/Mesh Pack - Radial Type : SS 304
 - xi) Instrument Tubing : 316 SS
- e) Hydraulic testing of the vessel and packaged unit: 60.0 Kg/Sq. Cm
- f) All flanged outlet/inlet connections must be rated to ANSI 300 Class RF only as per ANSI B16.5.
- g) All coupling connections and other pipe fittings must be rated for 210 Kg/Sq. Cm (3000 PSIG) as per ANSI B16.11
- h) Radiography: 100% radiography required.
- i) Post-Weld heat treatment/stress relieving: Required for the entire vessel /separators.

2.3 SEPARATOR INTERNALS:

The following internal elements are a minimum requirement for the separator:

- a) Liquid settling section: It must have good liquid depth volume
- b) Primary Separation Device / Inlet Separation Section
- c) Secondary Section "Gravity Separation Section"
- d) Mist extractor: Vane/Mesh Pack type to arrest entrained oil/liquid particles from the separated gas up to
10 micron
- e) Float Protector Baffle
- f) Wave Breaker

2.4 SEPARATOR CONNECTIONS/NOZZLES:

Each separator must be provided with the following connections to facilitate mounting of liquid level control gear, inlet/outlet piping, valves, gauges etc.

- a) One - 150 mm (6") NB x ANSI 300 Class RF flanged opening for fluid inlet.
- b) One - 150 mm (6") NB x ANSI 300 Class RF flanged opening for gas outlet.
- c) One - 100 mm (4") NB x ANSI 300 Class RF flanged opening for mounting liquid level control gear.
- d) One - 100 mm (4") NB x ANSI 300 Class RF flanged opening for liquid outlet.
- e) Two - 50 mm (2") NB x ANSI 300 Class RF flanged opening for mounting two Safety Relief Valves.
- f) Two - 100 mm (4") NB x ANSI 300 Class RF flanged opening for drainage.
- g) Two - 25 mm (1") NB Flanged RF, ANSI 300 class opening for reflex type level gauge glass.
- h) Two - 12mm (1/2") NPT x 210 Kg/Sq. Cm (3000 Psig) WP coupling connections Pressure gauge.
- i) One - 25 mm (1") NB / 19 mm (3/4") NB NPT x 210 Kg/Sq. Cm (3000 Psig) WP coupling connections for Thermo Well.
- j) Suitable Manhole with Hinges or Davits for swinging open for internal inspection of the vessel.

Note: Above connection / Nozzle sizes are minimum requirement, however, while designing the inlet, outlet nozzles, care should be taken for erosion, corrosion, pressure drop and entrainment.

2.5 SEPARATOR MOUNTINGS/ ACCESSORIES:

Each separator is to be equipped with the following mountings:

- a) Fluid inlet should be equipped with 150 mm NB X ANSI 300 Class Gate Valve at skid limit with companion flange, Spiral Wound Gasket & stud-nuts.
- b) Gas outlet should have suitable 150 mm NB, ANSI 300 Class Flanged RF, Diaphragm operated back-pressure Control Valve with Pressure Controller, Positioner, Servo Regulator.
- c) Pressure controller shall be Pneumatic, Indicating with Proportional & Reset Action, upstream control, pressure element range of 0-50 kg/Sq. cm.
- d) The control valve shall have suitable bypass provision. Size of isolation and bypass Gate valves shall be as under;
 - i) Isolation valves shall be preferably Rising Stem, RF Flanged, 150 mm (6") NB X 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)

ii) Bypass valve shall be preferably Rising Stem, RF Flanged, 150 mm (6") NB X 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)

MOC for Valve Internals:

Gate and Segment : AISI 316
Seats : AISI 410, Nitrohardened /ASTM A182 Gr. F6A+PTFE insert
Stem : AISI 410 or AISI 316 with HF-7 / ASTM A182 Gr. F6A

e) Control Gear: 1 No. of Diaphragm operated Liquid Control valve complete with one combined suitable caged displacer type liquid level controller to be mounted on the nozzle provided on the vessel body. The liquid control valve should be complete with regulator for servo gas (0.2-1.1 kg/Sq. cm) and 6.35 mm (¼") 316 SS tubing complete with Air Filter Regulator suitable for operation of natural gas at maximum 17.5 kg/Sq. cm with drain port at bottom.

f) Suitable provision of Isolation Valves and By-pass Valve for liquid control valve system as following:

i) Isolation Valves shall be preferably Rising Stem, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed).

ii) By-pass Valve shall be preferably Rising Stem, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)

MOC for Valve Internals:

Gate and Segment : AISI 316
Seats : AISI 410, Nitrohardened /ASTM A182 Gr. F6A+PTFE insert
Stem : AISI 410 or AISI 316 with HF-7 / ASTM A182 Gr. F6A

g) Two No. drain valves preferably Rising Stem, RF flanged, 100 mm NB, ANSI 300, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed) to be mounted on the nozzle provided on the vessel.

h) All the liquid outlet pipes should end at skid limit with 100 mm NB, complete with weld neck companion flange, Spiral Wound Gasket, studs & nuts.

i) Two Nos. of Safety Relief Valve, Rating ANSI 300 Class RF, to relief full gas capacity against atmosphere. Set Pressure - 38 Kg/Sq. cm.

j) Two Nos. of Dial type Pressure Gauge with 150 mm (6") dia. (0 - 60 Kg/Sq. cm)

m) One - Dial type temperature gauge with 150 mm (6") dia. (0 - 100 Deg C)

n) One -Reflex type liquid level gauge complete with cocks & glass gauge suitable protected from external damage, WP-35 Kg/Sq. cm

o) One set of assorted - Pneumatic lines, regulators etc. as required.

p) All accessories and valves companion flanges with stud & nuts should be of ANSI 300 class rating.

q) One no. Exclusive Quick opening closure Door with spare seal.

2.6 STRUCTURAL SKID:

- a) The unit along with all the mounting and accessories should be placed on a rugged oilfield type skid with adequate working space. Suitable Overhead Platform with Cage Ladder to be provided for servicing/testing of vessel accessories. The top of the skid should be fitted with 3/16" thick chequered plates. Primary member will be adequately cross-braced to prevent flexing or distortion of skid during lifting, transportation and installation. Suitable lifting lugs shall be provided for lifting the unit for transportation.
- b) While designing the skid, party should ensure that skid is of sufficiently rugged design. Any bend / deformation during transit / placement of separator at site due to poor workmanship or improper selection of cross beam sizes/ materials, skid will be rejected and in that case vendor shall have to replace the skid without any cost implication.
- c) All the inlet and outlet pipes as specified should be terminated at the skid level on the skid-edge.
- d) The width of the skid should not be more than 2.50 meters.
- e) Skid should be equipped with provisions for Double Earthing-strip anchoring / fixing.

2.7 CODE OF PRACTICE AND STANDARDS TO BE FOLLOWED:

The unit should be manufactured conforming to the following code of practices and standard.

- a) Separator : API standard 12J & ASME section VIII, Div. I (Latest Edition)
- b) Piping : ANSI B 31.3, Petroleum Refinery Piping
- c) Flanges : ANSI B 16.5
- d) Valves : API standard 6D with API 6FA
- e) Safety Relief Valves : ASME section VIII, Div-I
- f) Structural : IS 226
- g) Material of construction : As per Point No 2.2 (d) and above codes.
- h) Welding : As per ASME section IX.

2.8 OIL approved vendors list for Instrumentation Part and Recommended Vendors List for Accessories:

- | | |
|-------------------------------|--|
| Control Valves | : Emerson Process Management (Fisher)/ Brightech Valves/
MIL/ Flowserve/ Kimray |
| Level Instrument Controller | : Emerson Process Management (Fisher) / Procon/ V-Automat |
| Pneumatic Pressure Controller | : Emerson Process Management (Fisher)/ ABB/ OMC |
| Level Gauge Glass | : Daniel/ Levcon/ Pune Techtrol Pvt. Ltd. |
| Safety Relief Valve | : Fisher/ Brightech Valves |
| Temperature & Pressure Gauge | : WIKA / Forbes Marshall/ General Instruments/ Gauges
Bourdon India |
| Vane/Mesh Pack | : PECO/ NATCO / Amistco |
| Gate Valves | : Flowserve/ L&T |
| Pressure regulators | : Fisher-Xomox / Shavo Norgren/ Placka |

ITEM NO. 20

Technical Specification – VERTICAL GAS OIL SEPARATOR (Test Unit-I)

Design Pressure: 40 KSC

Design, Fabrication / Manufacturing, unitisation / packaging, testing & supply of Skid Mounted Two-Phase Vertical Gas Oil Separator Package with Vane/Mesh Type Mist Extractor as per API specification 12J, ASME Section VIII DIV-I complete with all mountings, accessories, piping & valves (All unitized in a single skid compatible for inter location movements).

CAPACITY: 0.22 MMSCM per day (8 MMSCFD) of Gas and 545 KL per day (3000 BPD) of Liquid.

PROCESS BRIEF: Gas-Oil separator package is a skid mounted, modular designed, packaged unit for continuous test production of well fluid (Crude Oil, Sweet Natural Gas & Water). 2-phase separator will be used for separation of Gas and Hydrocarbon condensate oil or mixture of crude oil & water.

The package should be complete with accessories and mountings as specified under.

1.0 SERVICE REQUIREMENT:

1.1 The unit is to be designed and manufactured to meet the following service requirement:

- a) To separate Gas and liquid (Crude Oil & Water) efficiently.
- b) To arrest 99% entrained liquid particles from the separated gas for the particle size up to 10 micron.
- c) Suitable provision to take liquid and gas samples for analysis.

1.2 SEPARATOR SIZING PARAMETERS:

The Separator Units are to be sized to suit the following service condition:

i) Separator Configuration: The Separators should be vertical, cylindrical shell type having dished end.

ii) Gas Stream Characteristics:

As the separator will be used in the process layout of differential separation of crude oil, water and natural gas, the unit will be subjected to the well fluid having a wide range of characteristics. The likely range of characteristics of the well fluid is given below for design purpose.

- | | |
|-----------------------------|--|
| a) Water content (Produced) | : 0% - 80% |
| b) API Gravity of Crude Oil | : 20 Deg – 35 Deg. |
| c) Water specific gravity | : 1.02 – 1.08 |
| d) Gas gravity | : 0.65 – 0.75 (Air = 1) |
| e) Pour Point of oil | : 27 Deg – 33 Deg C. |
| f) Wax (Paraffin) content | : 10% maximum by volume. |
| g) Sand /solid/slit content | : There may be some amount of sand/slit/drilling fluids content in the gas stream. |

iii) Operating Pressure, Temperature and detail of item:

a) Operating Pressure	: 35 kg/Sq. cm
b) Mechanical Design Pressure	: 40 kg/ Sq. cm
c) Design Temperature	: 5 Deg C to 80 Deg C
d) Operating Temperature	: 40 Deg C
e) Retention time	: 3 (three) minutes
f) Mist separation	: above 10 (Ten) micron
g) Type of separator	: Vertical, Vane pack.
h) Liquid drain Header Pressure	: 5 kg/ Sq. cm (Downstream of Liquid Dump Valve)

2.0 SCOPE OF WORK:

Scope of works includes design, fabrication, packaging, testing & supply of the separator package. Details of the same are as under:

2.1 Design of the vessel to be done to meet the duty conditions and separation of gas & liquid specified under Point No 1.1 & 1.2 above.

2.2 Mechanical Design & Fabrication of the vessel/separator unit:

The separator, piping and valves must be designed and fabricated considering the following parameters in addition to the parameters given in Point No 1.1 & 1.2 above.

- a) Shell Body diameter : Diameter of the vessel shall not be more than 3 meter.
- b) Corrosion Allowance : 3 mm (1/8")
- c) Dished end shall be pressed and spun in dished end spinning machine.
- d) Material of construction:
 - i) Separator Shell : SA 516 Gr. 70
 - ii) Flanges : ASTM A 105, Conforming to ANSI B 16.5
 - iii) Nozzles : SA 106 Gr. B
 - iv) Pipes : SA 106 Gr. B
 - v) Screwed Fittings : ASTM A 105 Gr. B
 - vi) Welded Fittings : ASTM A 234 Gr. WBP
 - vii) Studs : ASTM A 193 Gr. B 7
 - viii) Nuts : ASTM A 194 Gr. 2 H
 - ix) Gasket : Spiral Wound Non-Asbestos as per ANSI B16.20
 - x) Vane/Mesh Pack - Radial Type : SS 304
 - xi) Instrument Tubing : 316 SS
- e) Hydraulic testing of the vessel and packaged unit: 60.0 Kg/Sq. Cm
- f) All flanged outlet/inlet connections must be rated to ANSI 300 Class RF only as per ANSI B16.5.
- g) All coupling connections and other pipe fittings must be rated for 210 Kg/Sq. Cm (3000 PSIG) as per ANSI B16.11
- h) Radiography: 100% radiography required.
- i) Post-Weld heat treatment/stress relieving: Required for the entire vessel /separators.

2.3 SEPARATOR INTERNALS:

The following internal elements are a minimum requirement for the separator:

- a) Liquid settling section: It must have good liquid depth volume
- b) Primary Separation Device / Inlet Separation Section
- c) Secondary Section "Gravity Separation Section"
- d) Mist extractor: Vane/mesh Pack type to arrest entrained oil/liquid particles from the separated gas up to 10 micron
- e) Float Protector Baffle

2.4 SEPARATOR CONNECTIONS/NOZZLES:

Each separator must be provided with the following connections to facilitate mounting of liquid level control gear, inlet/outlet piping, valves, gauges etc.

- a) One - 150 mm (6") NB x ANSI 300 Class RF flanged opening for fluid inlet.
- b) One - 150 mm (6") NB x ANSI 300 Class RF flanged opening for gas outlet.
- c) One - 100 mm (4") NB x ANSI 300 Class RF flanged opening for mounting liquid level control gear.
- d) One - 100 mm (4") NB x ANSI 300 Class RF flanged opening for liquid outlet.
- e) Two - 50 mm (2") NB x ANSI 300 Class RF flanged opening for mounting two Safety Relief Valves.
- f) One - 100 mm (4") NB x ANSI 300 Class RF flanged opening for drainage.
- g) One - 25 mm (1") NB Flanged RF, ANSI 300 class opening for reflex type level gauge glass.
- h) Two - 12mm (1/2") NPT x 210 Kg/Sq. Cm (3000 Psig) WP coupling connections Pressure gauge.
- i) One - 25 mm (1") NB / 19 mm (3/4") NB NPT x 210 Kg/Sq. Cm (3000 Psig) WP coupling connections for Thermo Well.
- j) Suitable Manhole with Hinges or Davits for swinging open for internal inspection of the vessel.

Note: Above connection / Nozzle sizes are minimum requirement, however, while designing the inlet, outlet nozzles, care should be taken for erosion, corrosion, pressure drop and entrainment.

2.5 SEPARATOR MOUNTINGS/ ACCESSORIES:

Each separator is to be equipped with the following mountings:

- a) Fluid inlet should be equipped with 150 mm NB X ANSI 300 Class Gate Valve at skid limit with companion flange, Spiral Wound Gasket & stud-nuts.
- b) Gas outlet should have suitable 150 mm NB, ANSI 300 Class Flanged RF, Diaphragm operated back-pressure Control Valve with Pressure Controller, Positioner, Servo Regulator.
- c) Pressure controller shall be Pneumatic, Indicating with Proportional & Reset Action, upstream control, pressure element range of 0-50 kg/Sq. cm.
- d) The control valve shall have suitable bypass provision. Size of isolation and bypass Gate valves shall be as under;
 - i) Isolation valves shall be preferably Rising Stem, RF Flanged, 150 mm (6") NB X 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)
 - ii) Bypass valve shall be preferably Rising Stem, RF Flanged, 150 mm (6") NB X 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)

MOC for Valve Internals:

Gate and Segment : AISI 316
Seats : AISI 410, Nitrohardened /ASTM A182 Gr. F6A+PTFE insert
Stem : AISI 410 or AISI 316 with HF-7 / ASTM A182 Gr. F6A

e) Control Gear: 1 Nos. of Diaphragm operated Liquid Control valve complete with one combined suitable displacer type liquid level controller to be mounted on the nozzle provided on the vessel body. The liquid control valve should be complete with regulator for servo gas (0.2-1.1 kg/Sq. cm) and 6.35 mm (¼") 316 SS tubing complete with Filter Regulator suitable for operation of natural gas at maximum 17.5 kg/Sq. cm with drain port at bottom.

f) Suitable provision of Isolation Valves and By-pass Valve for liquid control valve system as following:

i) Isolation Valves shall be preferably Rising Stem, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed).

ii) By-pass Valve shall be preferably Rising Stem, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)

MOC for Valve Internals:

Gate and Segment : AISI 316
Seats : AISI 410, Nitrohardened /ASTM A182 Gr. F6A+PTFE insert
Stem : AISI 410 or AISI 316 with HF-7 / ASTM A182 Gr. F6A

g) One No. drain valve preferably Rising Stem, RF flanged, 100 mm NB, ANSI 300, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed) to be mounted on the nozzle provided on the vessel.

h) All the liquid outlet pipes should end at skid limit with 100 mm NB, complete with weld neck companion flange, Spiral Wound Gasket, studs & nuts.

i) Two Nos. of Safety Relief Valve, Rating ANSI 300 Class RF, to relief full gas capacity against atmosphere. Set Pressure - 38 Kg/Sq. cm.

j) Two Nos. of Dial type Pressure Gauge with 150 mm (6") dia. (0 - 60 Kg/Sq. cm)

m) One - Dial type temperature gauge with 150 mm (6") dia. (0 - 100 Deg C)

n) One -Reflex type liquid level gauge complete with cocks & glass gauge suitable protected from external damage, WP-35 Kg/Sq. cm

o) One set of assorted - Pneumatic lines, regulators etc. as required.

p) All accessories and valves companion flanges with stud & nuts should be of ANSI 300 class rating.

q) One no. Exclusive Quick opening closure Door with spare seal.

2.6 STRUCTURAL SKID:

- a) The unit along with all the mounting and accessories should be placed on a rugged oilfield type skid with adequate working space. Suitable Overhead Platform with Cage Ladder to be provided for servicing/testing of vessel accessories. The top of the skid should be fitted with 3/16" thick chequered plates. Primary member will be adequately cross-braced to prevent flexing or distortion of skid during lifting, transportation and installation. Suitable lifting lugs shall be provided for lifting the unit for transportation.
- b) While designing the skid, party should ensure that skid is of sufficiently rugged design. Any bend / deformation during transit / placement of separator at site due to poor workmanship or improper selection of cross beam sizes/ materials, skid will be rejected and in that case vendor shall have to replace the skid without any cost implication.
- c) All the inlet and outlet pipes as specified should be terminated at the skid level on the skid-edge.
- d) The width of the skid should not be more than 2.50 meters.
- e) Skid should be equipped with provisions for Double Earthing-strip anchoring / fixing.

2.7 CODE OF PRACTICE AND STANDARDS TO BE FOLLOWED:

The unit should be manufactured conforming to the following code of practices and standard.

- a) Separator : API standard 12J & ASME section VIII, Div. I (Latest Edition)
- b) Piping : ANSI B 31.3, Petroleum Refinery Piping
- c) Flanges : ANSI B 16.5
- d) Valves : API standard 6D with API 6FA
- e) Safety Relief Valves : ASME section VIII, Div-I
- f) Structural : IS 226
- g) Material of construction : As per Point No 2.2 (d) and above codes.
- h) Welding : As per ASME section IX.

2.8 OIL approved vendors list for Instrumentation Part and Recommended Vendors List for Accessories:

Control Valves	: Emerson Process Management (Fisher)/ Brightech Valves
Level Instrument Controller	: Emerson Process Management (Fisher) / Procon/ V-Automat
Pneumatic Pressure Controller	: Emerson Process Management (Fisher)/ ABB / OMC
Level Gauge Glass	: Daniel/ Levcon/ Pune Techtrol Pvt. Ltd.
Safety Relief Valve	: Fisher/ Brightech Valves
Temperature & Pressure Gauge	: WIKA / Forbes Marshall/ General Instruments/ Gauges Bourdon India
Vane/Mesh Pack	: PECO/ NATCO / Amistco
Gate Valves	: Flowserve/ L&T
Pressure Regulators	: Fisher-Xomox/ Shavo Norgren/ Placka

ITEM NO. 30

Technical Specification – VERTICAL MIST EXTRACTOR (HPMS)

Design Pressure: 40 KSC

Design, Fabrication / Manufacturing, unitisation / packaging, testing & supply of Skid Mounted Two-Phase Vertical Separator Package with Vane/Mesh Type Mist Extractor as per API specification 12J, ASME Section VIII DIV-I complete with all mountings, accessories, piping & valves (All unitized in a single skid compatible for inter location movements).

CAPACITY: 0.44 MMSCM per day (15 MMSCFD) of Gas and 90 KL per day (500 BPD) of Liquid.

PROCESS BRIEF: Gas-Oil separator package is a skid mounted, modular designed, packaged unit for continuous production of sweet natural gas. 2-phase separator will be used for separation of Gas and Hydrocarbon condensate oil or mixture of crude oil & water.

The package should be complete with accessories and mountings as specified under.

1.0 SERVICE REQUIREMENT:

1.1 The unit is to be designed and manufactured to meet the following service requirement:

- a) To separate Gas and liquid (Crude Oil & Water) efficiently.
- b) To arrest 99% entrained liquid particles from the separated gas for the particle size up to 10 micron.
- c) Suitable provision to take liquid and gas samples for analysis.

1.2 SEPARATOR SIZING PARAMETERS:

The Separator Units are to be sized to suit the following service condition:

i) Separator Configuration: The Separators should be vertical, cylindrical shell type having dished end.

ii) Gas Stream Characteristics:

As the separator will be used in the process layout of differential separation of crude oil, water and natural gas, the unit will be subjected to the gas stream having a wide range of characteristics. The likely range of characteristics of the well fluid is given below for design purpose.

- | | |
|-----------------------------|--|
| a) Water content (Produced) | : 0% - 1% |
| b) Oil Content (Mist Form) | : 0% - 1% |
| c) Gas gravity | : 0.65 – 0.75 (Air = 1) |
| d) Pour Point of oil | : 27 Deg – 33 Deg C. |
| e) Sand /solid/slit content | : There may be some amount of sand/slit/drilling fluids content in the gas stream. |

iii) Operating Pressure, Temperature and detail of item:

a) Operating Pressure	: 35 kg/Sq. cm
b) Mechanical Design Pressure	: 40 kg/ Sq. cm
c) Design Temperature	: 5 Deg C to 80 Deg C
d) Operating Temperature	: 40 Deg C
f) Mist separation	: above 10 (Ten) micron
g) Type of separator	: Vertical, Vane pack.
h) Liquid drain Header Pressure	: 5 kg/ Sq. cm (Downstream of Liquid Dump Valve)

2.0 SCOPE OF WORK:

Scope of works includes design, fabrication, packaging, testing & supply of the separator package. Details of the same are as under:

2.1 Design of the vessel to be done to meet the duty conditions and separation of gas & liquid specified under Point No 1.1 & 1.2 above.

2.2 Mechanical Design & Fabrication of the vessel/separator unit:

The separator, piping and valves must be designed and fabricated considering the following parameters in addition to the parameters given in Point No 1.1 & 1.2 above.

- a) Shell Body diameter : Diameter of the vessel shall not be more than 3 meter.
- b) Corrosion Allowance : 3 mm (1/8")
- c) Dished end shall be pressed and spun in dished end spinning machine.
- d) Material of construction:
 - i) Separator Shell : SA 516 Gr. 70
 - ii) Flanges : ASTM A 105, Conforming to ANSI B 16.5
 - iii) Nozzles : SA 106 Gr. B
 - iv) Pipes : SA 106 Gr. B
 - v) Screwed Fittings : ASTM A 105 Gr. B
 - vi) Welded Fittings : ASTM A 234 Gr. WBP
 - vii) Studs : ASTM A 193 Gr. B 7
 - viii) Nuts : ASTM A 194 Gr. 2 H
 - ix) Gasket : Spiral Wound Non-Asbestos as per ANSI B16.20
 - x) Vane/Mesh Pack - Radial Type : SS 304
 - xi) Instrument Tubing : 316 SS
- e) Hydraulic testing of the vessel and packaged unit: 60.0 Kg/Sq. Cm
- f) All flanged outlet/inlet connections must be rated to ANSI 300 Class RF only as per ANSI B16.5.
- g) All coupling connections and other pipe fittings must be rated for 210 Kg/Sq. Cm (3000 PSIG) as per ANSI B16.11
- h) Radiography: 100% radiography required.
- i) Post-Weld heat treatment/stress relieving: Required for the entire vessel /separators.

2.3 SEPARATOR INTERNALS:

The following internal elements are a minimum requirement for the separator:

- a) Primary Separation Device / Inlet Separation Section
- b) Mist extractor: Vane/Mesh Pack type to arrest entrained oil/liquid particles from the separated gas up to 10 micron
- c) Baffle Plate

2.4 SEPARATOR CONNECTIONS/NOZZLES:

Each separator must be provided with the following connections to facilitate mounting of liquid level control gear, inlet/outlet piping, valves, gauges etc.

- a) One - 150 mm (6") NB x ANSI 300 Class RF flanged opening for fluid inlet.
- b) One - 150 mm (6") NB x ANSI 300 Class RF flanged opening for gas outlet.
- c) One - 100 mm (4") NB x ANSI 300 Class RF flanged opening for mounting liquid level control gear.
- d) One - 100 mm (4") NB x ANSI 300 Class RF flanged opening for liquid outlet.
- e) Two - 50 mm (2") NB x ANSI 300 Class RF flanged opening for mounting two Safety Relief Valves.
- f) One - 100 mm (4") NB x ANSI 300 Class RF flanged opening for drainage.
- g) One - 25 mm (1") NB Flanged RF, ANSI 300 class opening for reflex type level gauge glass.
- h) Two - 12mm (1/2") NPT x 210 Kg/Sq. Cm (3000 Psig) WP coupling connections Pressure gauge.
- i) One - 25 mm (1") NB / 19 mm (3/4") NB NPT x 210 Kg/Sq. Cm (3000 Psig) WP coupling connections for Thermo Well.
- j) Suitable Manhole with Hinges or Davits for swinging open for internal inspection of the vessel.

Note: Above connection / Nozzle sizes are minimum requirement, however, while designing the inlet, outlet nozzles, care should be taken for erosion, corrosion, pressure drop and entrainment.

2.5 SEPARATOR MOUNTINGS/ ACCESSORIES:

Each separator is to be equipped with the following mountings:

- a) Fluid inlet should be equipped with 150 mm NB X ANSI 300 Class Gate Valve at skid limit with companion flange, Spiral Wound Gasket & stud-nuts.
- b) Gas outlet should have suitable 150 mm NB, ANSI 300 Class Flanged RF, Diaphragm operated back-pressure Control Valve with Pressure Controller, Positioner, Servo Regulator.
- c) Pressure controller shall be Pneumatic, Indicating with Proportional & Reset Action, upstream control, pressure element range of 0-50 kg/Sq. cm
- d) The control valve shall have suitable bypass provision. Size of isolation and bypass Gate valves shall be as under;
 - i) Isolation valves shall be preferably Rising Stem, RF Flanged, 150 mm (6") NB X 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)
 - ii) Bypass valve shall be preferably Rising Stem, RF Flanged, 150 mm (6") NB X 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)

MOC for Valve Internals:

Gate and Segment	: AISI 316
Seats	: AISI 410, Nitrohardened /ASTM A182 Gr. F6A+PTFE insert
Stem	: AISI 410 or AISI 316 with HF-7 / ASTM A182 Gr. F6A

e) Control Gear: 1 Nos. of Diaphragm operated Liquid Control valve complete with one combined suitable displacer type liquid level controller to be mounted on the nozzle provided on the vessel body. The liquid control valve should be complete with regulator for servo gas (0.2-1.1 kg/Sq. cm) and 6.35 mm (¼") 316 SS tubing complete with Filter Regulator suitable for operation of natural gas at maximum 17.5 kg/Sq. cm with drain port at bottom.

f) Suitable provision of Isolation Valves and By-pass Valve for liquid control valve system as following:

i) Isolation Valves shall be preferably Rising Stem, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed).

ii) By-pass Valve shall be preferably Rising Stem, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed)

MOC for Valve Internals:

Gate and Segment : AISI 316

Seats : AISI 410, Nitrohardened /ASTM A182 Gr. F6A+PTFE insert

Stem : AISI 410 or AISI 316 with HF-7 / ASTM A182 Gr. F6A

g) One No. drain valves preferably Rising Stem, RF flanged, 100 mm NB, ANSI 300, RF Flanged, 100 mm NB, ANSI 300 Class, Through Conduit Gate Valves (API 6D Monogrammed) to be mounted on the nozzle provided on the vessel.

h) All the liquid outlet pipes should end at skid limit with 100 mm NB, complete with weld neck companion flange, Spiral Wound Gasket, studs & nuts.

i) Two Nos. of Safety Relief Valve, Rating ANSI 300 Class RF, to relief full gas capacity against atmosphere. Set Pressure - 38 Kg/Sq. cm.

j) Two Nos. of Dial type Pressure Gauge with 150 mm (6") dia. (0 - 60 Kg/Sq. cm)

m) One - Dial type temperature gauge with 150 mm (6") dia. (0 - 100 Deg C)

n) One -Reflex type liquid level gauge complete with cocks & glass gauge suitable protected from external damage, WP-35 Kg/Sq. cm

o) One set of assorted - Pneumatic lines, regulators etc. as required.

p) All accessories and valves companion flanges with stud & nuts should be of ANSI 300 class rating.

q) One no. Exclusive Quick opening closure Door with spare seal.

2.6 STRUCTURAL SKID:

a) The unit along with all the mounting and accessories should be placed on a rugged oilfield type skid with adequate working space. Suitable Overhead Platform with Cage Ladder to be provided for servicing/testing of vessel accessories. The top of the skid should be fitted with 3/16" thick chequered plates. Primary member will be adequately cross-braced to prevent flexing or distortion of skid during

lifting, transportation and installation. Suitable lifting lugs shall be provided for lifting the unit for transportation.

b) While designing the skid, party should ensure that skid is of sufficiently rugged design. Any bend / deformation during transit / placement of separator at site due to poor workmanship or improper selection of cross beam sizes/ materials, skid will be rejected and in that case vendor shall have to replace the skid without any cost implication.

c) All the inlet and outlet pipes as specified should be terminated at the skid level on the skid-edge.

d) The width of the skid should not be more than 2.50 meters.

e) Skid should be equipped with provisions for Double Earthing-strip anchoring / fixing.

2.7 CODE OF PRACTICE AND STANDARDS TO BE FOLLOWED:

The unit should be manufactured conforming to the following code of practices and standard.

- a) Separator : API standard 12J & ASME section VIII, Div. I (Latest Edition)
- b) Piping : ANSI B 31.3, Petroleum Refinery Piping
- c) Flanges : ANSI B 16.5
- d) Valves : API standard 6D with API 6FA
- e) Safety Relief Valves : ASME section VIII, Div-I
- f) Structural : IS 226
- g) Material of construction : As per Point No 2.2 (d) and above codes.
- h) Welding : As per ASME section IX.

2.8 OIL approved vendors list for Instrumentation Part and Recommended Vendors List for Accessories:

Control Valves	: Emerson Process Management (Fisher)/ Brightech Valves
Level Instrument Controller	: Emerson Process Management (Fisher) / Procon/ V-Automat
Pneumatic Pressure Controller	: Emerson Process Management (Fisher)/ ABB / OMC
Level Gauge Glass	: Daniel/ Levcon/ Pune Techtrol Pvt. Ltd.
Safety Relief Valve	: Fisher/ Brightech Valves
Temperature & Pressure Gauge	: WIKA / Forbes Marshall/ General Instruments/ Gauges Bourdon India
Vane/Mesh Pack	: PECO/ NATCO / Amistco
Gate Valves	: Flowserve/ L&T
Pressure Regulators	: Fisher-Xomox / Shavo Norgren/ Placka

ANNEXURE-II

SPECIAL TERMS AND CONDITIONS **(Applicable for Item Nos. 10, 20 & 30)**

1.0 GENERAL NOTES:

- 1.1 The unit shall be designed to operate round the clock with minimum maintenance. Extreme care has to be taken in selection of raw materials. Protection of the unit and equipment against corrosion/deterioration must be given special attention.
- 1.2 The unit should be adequately designed to facilitate easy inspection, cleaning and repair.
- 1.3 Each accessory and control is to be selected for simplicity, dependability and ruggedness providing trouble-free operation.
- 1.4 All accessories and controls should be easily replaceable.
- 1.5 The separator must be manufactured adhering to the applicable code of construction. In addition, the referenced monogram must be stamped on the body of each unit.
- 1.6 Other accessories including valves and pipe fittings etc. should be manufactured conforming to the relevant standard and relevant monogram should borne by each piece. The manufacture name must be indicated against each piece.
- 1.7 The bidder is to furnish "check list" along with the technical bid. This should give relevant information data/catalogue of the reference points of the bid and must be in sequence of our NIT specification.
- 1.8 Bidder should provide Telephone & E-mail address for correspondence.
- 1.9 The supplier must forward the following with the materials:
 - (i) Materials test and warrantee certificates.
 - (ii) Report of ASME certified inspector in respect of fabrications as applicable in "U" stamp.
- 1.10 The bidder to provide full details of liquid level gauge glass assembly (tubular type) along with GA drawing complete with cocks and gauge glass protected from external damage (WP- 35 Kg/Sq.cm, Hydro-tested to 53 Kg/Sq.cm). Liquid level gauges made by reputed companies viz. Daniel/ Levcon/ Pune Techtrol Pvt. Ltd would be preferred.
- 1.11 The successful bidder (henceforth will be called the supplier) is to obtain approval from OIL for the flow diagram (P & I), detailed Engineering and general arrangement drawing of the package. Also they are to submit the final list of vendors for bought out items and their make, model and sizes etc. and get the same approved by OIL. Only after obtaining the approval, they can go ahead with the manufacturing of the unit. OIL will require maximum 30 days' time for approval of such documents from the date submission of final/corrected documents.
- 1.12 The bidder must clearly mention any deviation/modification from our specification in their offer with proper justifications. This point is to be noted carefully and bidder to summarize the deviation/modification in a separate column in their offer document with a heading "deviation /modification" otherwise they will write "NO DEVIATION FROM ENQUIRY".

2.0 PAINTING AND PROTECTION

- 2.1 Protection of the materials/equipment against corrosion/wear & tear shall be given special attention. All the equipment including the skids, pipe works and fittings shall be thoroughly cleaned sand blasted as per SSPC-SP-6, primed with two coats of red-oxide zinc chromate and finally painted with two coat of synthetic enamel (light Gray).
- 2.2 Internal parts shall be sprayed with inhibitor or water splitting preservative and all openings shall be covered with masking tape to prevent ingress of water during transportation.
- 2.3 Box(s)/packing(s)-containing instrument shall be waterproofed lined. Protection against corrosion and deterioration in humid atmosphere and exposure to sun/rain during transportation shall be given special attention.

3.0 CLIMATIC CONDITION:

The units are for service in upper Assam, India and shall be suitable for continuous operation under the following climatic conditions.

- i) Maximum shed temperature 40 Deg C
- ii) Minimum shed temperature 05 Deg C
- iii) Maximum relative Humidity at:
 - 20 Deg C- 100%
 - 30 Deg C- 95%
 - 41 Deg C- 70%
- iv) Height above sea level- 150 meters
- v) Average yearly rainfall: more than 300 cm

4.0 MARKING:

Separator shall be provided with name plate of corrosion resistant material securely attached to a suitable bracket welded to the shell or stamped on a steel name plate seal welded to the shell. The name plate should bear the following information:

- (i) Manufacturer's Name
- (ii) Manufacturer's Serial No.
- (iii) Year of manufacture
- (iv) OIL's P.O. No.
- (v) "Manufactured for OIL"
- (vi) Weight empty, Kg
- (vii) Shell size OD X Length, mm
- (viii) Shell & dished end thickness, mm
- (ix) Maximum design pressure, Kg/Sq. Cm
- (x) Maximum design temperature, Deg C
- (xi) Liquid flow rate normal & maximum, KLPD
- (xii) Gas flow rate, SCM per day at maximum operating pressure (35 Kg/Sq. Cm).

5.0 INSPECTION & TESTING:

- 5.1 The bidder is to arrange for Third Party Inspection at manufacturer's plant as per the broad scope of work. Bidder should confirm that equipment / material supplied by them will be

inspected by any of the following third party inspection agencies at OIL's cost and Third Party Inspection Report to be submitted along with the Dispatch documents.

- 5.2 OIL will/may arrange for Third Party Inspection of the materials (at any stage of order execution) at Bidder's/Manufacturer's plant by any of its approved third-party inspection agency.
- 5.3 Appointment of TPIA will be under OIL's scope. Inspection Agency will be appointed by OIL to carry out stage wise inspection of the Equipment as per approved Drawings, QAP & Conditions of the purchase order from any one of the OIL approved 3rd party agencies. The scope of works for the Third Party Inspection Agency will be as follows:
- a. Inspection of raw materials.
 - b. Inspection of radiography film & reports of welded joints.
 - c. Review of stress relieving job and
 - d. Physical measurement of dimensions. i.e. vessel, skid, Nozzles etc.
 - e. Witness of Hydraulic testing.
 - f. Inspection of bought-out items.
 - g. Inspection of certificates in respect of raw materials, bought-out items, radiography etc.
 - h. Inspection of Painting both External & Internal.
- 5.4 The scope of TPI may change without any prior notice to the successful bidder. While submitting offer, the bidder should not include cost of Third Party Inspection as the same will be arranged by OIL.
- 5.5 All cost towards the engagement of Third Party Inspection Agency shall be borne by OIL. BIDDER SHALL NOT QUOTE / INCLUDE THE COST OF THIRD PARTY INSPECTION IN THEIR OFFER. However, Bidder shall extend all necessary facility to the satisfaction of Third Party Inspection Agency for smooth conduct of the inspection. For the purpose of Third Party Inspection:
- i) Bidder shall clearly indicate in the technical bid the place/plant where Third Party Inspection of the materials shall be conducted, in the event of an order.
 - ii) Supplier shall convey to OIL the production schedule within 02(two) weeks from the date of Letter of Award (LOA)/Purchase order so that OIL can deploy the TPI agency to carry out inspection at bidder's / manufacturer's premises accordingly. Additionally, Supplier shall send a notice in writing/e-mail to the OIL at least 15 days in advance specifying the exact schedule and place of inspection (TPI) as per the Purchase Order and OIL upon receipt of such notice shall notify to the supplier the date and time when the materials would be inspected by OIL nominated TPI Agency.
 - iii) The supplier shall provide, without any extra charge to OIL, all materials, tools, labour and assistance of every kind which the OIL nominated TPI Agency may demand for any test or examination required at supplier's premises. The supplier shall also provide and deliver sample from the material under inspection, free of charge, at any such place other than their premises as the TPI Agency may specify for acceptance tests for which the supplier does not have the facilities for such tests at their premises. In the event of testing outside owing to lack of test facility at supplier's premises, the supplier shall bear cost of such test, if any.
 - iv) The supplier shall not be entitled to object on any ground whatsoever to the method of testing adopted by the OIL nominated TPI Agency.
 - v) Unless otherwise provided for in the Purchase Order, the quantity of materials expended in test will be borne by supplier.

- vi) The decision of the Third-Party Inspection Agency nominated by OIL regarding acceptance/rejection of material shall be final and binding on the supplier.
- vii) Upon successful completion of the TPI and acceptance of the TPI reports by OIL, Bidder/Supplier shall be intimated by OIL for dispatch of the materials. The materials should be despatched only after receipt of dispatch clearance from OIL.
- viii) Acceptance of the TPI reports and receipt of dispatch intimation from OIL do not absolve the bidder from any warranty obligations or waive the bidder from OIL's right for rejection of the materials after receipt at site.
- ix) Notwithstanding clauses contained herein above, in the event the materials under inspection fails to conform to purchase order specification and are rejected by OIL nominated Third Party Inspection agency, OIL may recover all cost incurred for re-inspection of the materials, from the supplier.

5.2 Field Testing & Warranty:

- i) On receipt of the unit at site, OIL will intimate the supplier to depute their representative(s) to supervise the commissioning of the units. OIL's observation and report in this regard will be final. During the course of commissioning, if any problem is encountered, the supplier must arrange to rectify the same within one month time without any extra cost to OIL. The supplier will have to arrange for transportation, boarding & lodging and security of the supplier's personnel(s) during their stay at Duliajan / site for commissioning the unit(s).
- ii) The supplier is to provide warranty of the entire unit for a period of one year effective from commissioning date of the same.

6.0 OPERATING & MAINTENANCE MANUALS, SPARE PART LIST & TEST DOCUMENTS (to be submitted/supplied alongwith supply of items):

- i) Test documents: All test and inspection reports, recorder chart etc. are to be suitably bound in the form of a book and is to be forwarded to OIL along with the equipment for retention, one book for each separator.
- ii) Spare list: The supplier is to provide spare part list (with price list) including technical brochures for the bought out control gears, control valves etc. in the term of a bound book.
- iii) Operation & Maintenance Manual: Four copies of operation and maintenance manual would be required by OIL. These should be supplied in the form of a bound book.

7.0 BID ENCLOSURES:

- i) The bidder is to submit the list of all the accessories mountings & pipings (all the bought out items) and their make, model (if any) and sizes etc. as per OIL approved vendors list for Instrumentation Part and recommended vendors list for accessories.
- ii) The bidder's quote should indicate each and every item serially as given in the technical specification of the enquiry. Design calculations of separator, all valves i.e. liquid control valves, safety valves, and inlet- outlet nozzles to be provided separately. Detail calculation date/design date/sizing details are to be furnished item wise wherever applicable.
- iii) The bidder is to furnish P & I diagram indicating each component controls and instruments, detailed engineering and general arrangement diagram of the entire unit showing internals of the Separator with sizing along with the quotation without which the offer will be rejected.

- iv) Relevant catalogue, technical brochures/drawings for the components and vessel wherever applicable are to be furnished along with the quotation.
- v) Copy of valid ASME U stamp certificate for fabrication.
- vi) Skid and working platform with foundation dimensional details.
- vii) Empty weight of the unit.
- viii) Quality assurance procedure (QAP).

8.0 PACKING

Packing shall be sufficiently robust to withstand rough handling. All items shall have their respective identification letters or nos. painted on them and they shall be suitably packed to provide ease of handling and storage and maximum protection during transport and storage period. Crates and boxes shall have a list of items contained their in secured to the exterior by means of and enveloping piece of tin sheet nailed to the wood. A duplicate list shall also be included with the contents. Sling points shall be clearly indicated on the crates.

9.0 SUPPLY OF PACKAGES

- 9.1 Each separator package shall be complete in every respect with all mounting, fittings, fixture, and standard accessories, which are required for efficient operations and safety.
- 9.2 As such the unit should be received at site (Digboi) as complete package (as inspected by OIL at vendors works site), so there should not be any erection jobs at site, however some of the item may be dismantled at vendors works may have to be sent separately in boxes/crates with proper packaging along with the supply for safe transportation. Details of same to be indicated to OIL at the time of inspection.
- 9.3 Since the complete package process guarantee will be with vendor, OIL will receive the package at Digboi as per the supplied challan note/list in presence of vendor's representative / Engineer. Any discrepancy to be noted and reported for replacement / repair.
- 9.4 Any damaged item(s) during transportation /or short supply to be replaced / supplied by the vendors without any cost implementation.

10.0 PERFORMANCE GUARANTEE

The supplier shall give performance guarantee for continuous uninterrupted trouble free operation for twelve months after commissioning or Eighteen months from the date of receive of the item at Digboi. The party shall replace any equipment damaged due to poor workmanship including bought out items during this period free of cost.

11.0 DELIVERY

Delivery is the essence of the tender. The bidder must deliver the quantity progressively, commencing from 07(seven) months from the date of receipt of the PO and shall be completed within 10 (ten) months from PO.

- 12.0 All the tendered items will be procured from same source. Bidder(s) must note while quoting.
- 13.0 Alongwith the technical bids, bidder(s) must submit duly filled Annexure-Checklist against each of the tendered items.

ANNEXURE-III

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>Udyam Registration Number with Udyam Registration Certificate.</p> <p>OR</p> <p>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.</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 & 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>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.</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"> The bidder shall provide the percentage of local content in the bid. <p>b)</p> <ul style="list-style-type: none"> 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. 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. 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 practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable. <p>(ii) <u>After Contract Award</u></p> <ul style="list-style-type: none"> 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. In cases of procurement for a value in excess of Rs 10 crores, the 	

	<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"> • 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. <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	
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 & 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><u>TAX COLLECTIBLE AT SOURCE (TCS):</u> 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 (1H) 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> <p>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</p> <p>b) Total supply of goods to OIL in FY (As applicable) exceeds Rs. 50 Lakh and</p> <p>c) TCS as charged in the invoice has already been deposited (duly indicating the details</p>	

	<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>APPLICABILITY OF BANNING POLICY OF OIL INDIA LIMITED:</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"> Backing out by bidder within bid validity. Backing out by successful bidder after issue of LOA/Order/Contract Non/poor performance and order/contract execution default. <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 – I : Technical Specification & Scope of Work (for item no. 10, 20 & 30)</p> <p>Annexure – II : Special Notes to Bidder on Technical Specification & Scope of Work</p> <p>Annexure – III : General Notes to Bidders</p> <p>Annexure – IV : Bid Rejection Criteria / Bid Evaluation Criteria</p> <p>Annexure – Checklist : Checklist for item nos. 10, 20 & 30</p> <p>Bidder(s) must submit their offer in compliance to this GeM Tender including GeM General Terms & 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>	
------	---	--

ANNEXURE-IV

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.

Sl. No.	Bid Requirement	Bidder's Response (Complied/Not Complied. Reference to any document attached along with the bid)
A.1: TECHNICAL		
1.0	<u>BIDDER'S QUALIFICATION</u>	
1.1	The bidder shall be an Original Equipment Manufacturer (OEM) of the tender items.	
1.2	The bidder shall carry out the fabrication work of the tender item by engaging welders who are qualified under "ASME Boiler and Pressure Vessel Code Section-IX Regulations". Documentary evidence in regard of welder qualifications shall be supplied by the bidder along with the bid. The list of welder(s), who will be engaged for fabrication of the tender item, along with respective welder performance qualification test report carried out within last 05 years preceding bid closing date of this tender, shall be submitted along with the technical bid.	
2.0	<u>BIDDER'S EXPERIENCE:</u>	
2.1	<p>The bidder shall have the experience of successful execution of past supply for minimum 50% tendered quantity against each item (to be rounded off to next higher integer), of any crude oil process equipment as detailed below, to an E&P Company or service provider to an E&P company, in last 05 years from the original bid closing date of the tender:</p> <p>a) Gas Oil Separator /scrubber / knock-out of minimum 200 KLPD capacities & working pressure 1.0 kg/cm² or above. b) Indirect Heater of working pressure of 105.46 kg/cm² or above. c) Crude Oil Emulsion Treater of working pressure 2.0 kg/cm² or above.</p>	
2.2	<p>The bidder shall submit the following documents in support of successful execution of past supply /contract, as applicable under clause 2.1:</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"> • Performance/Commissioning Report from the clients • Delivery challan / invoice etc. • Any other documentary evidence that can substantiate the successful execution of the aforesaid Purchase Order(s)/ contract(s). <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	Delivery date should be of maximum 300 days from the date of issue of LOI /Purchase Order. The bidder should categorically confirm in their technical bid that the tendered items will be supplied within the delivery period, without which the bid will be rejected.	
A.2: FINANCIAL		
1.0	The bidder shall have an annual financial turnover of minimum Rs. 115.51 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	<p>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 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 PROFORMA- 1) 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 & 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</p>	

	<p>Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in PROFORMA – 2.</p> <p>OR</p> <p>ii) Audited Balance Sheet along with Profit & 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 PROFORMA-3) 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

YEAR	TURN OVER In INR (Rs.) Crores	NET WORTH In INR (Rs.) Crores

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.

SKID MOUNTED PORTABLE TWO PHASE OIL AND GAS SEPARATORS PACKAGE

Sl. No.	Description of item	Requirement	Remarks
1	Service	Crude Oil, Sweet Natural gas and Formation Water	Yes / No
2	Type of the Separator	As per NIT	Yes / No
3	Duty Condition	As per NIT	Yes / No
4	Separator Internals	As per NIT	Yes / No
5	Code of Design & Construction	In accordance with API spec.12J /ASME section, No. VIII, Div 1 (Latest edition). 100% radiography and Stress Relieving of welds on pressure parts	Yes / No
6	Corrosion allowance	3 mm (1/8")	Yes / No
7	Dished end	Pressed and spun in dished end spinning machine	Yes / No
8	Separator Connections/ Nozzles	As per NIT	Yes / No
9	Separator Mountings/ Accessories	As per NIT	Yes / No
10	Material specification	As per NIT	Yes / No
11	Recommended Vendor List	As per NIT	Yes / No
12	Valves	As per NIT	Yes / No
13	Structural Skid	As per NIT	Yes / No
14	Piping	ANSI/ASME B 31.3 , Petroleum Refinery Piping	Yes / No
15	Code of Practice and Standards to be followed	As per NIT	Yes / No
16	Painting and Protection	As per NIT	Yes / No
17	Inspection and test	As per NIT	Yes / No
18	Experiences	As per NIT	Yes / No
19	Packing	As per NIT	Yes / No
20	Delivery	As per NIT	Yes / No
21	GENERAL NOTES:	i. Documents to be accompanied with quotation	Yes / No
		ii. Copy of U Stamp certificate	Yes / No
		iii. Separator (with mist extractor) sizing calculations with details	Yes / No
		iv. Schematic layout (General arrangement drawing) of the unit on skid	Yes / No
		v. Detailed Process and Instrumentation and Engineering drawing of the package	Yes / No
		vi. Sections showing internals of the Separator with sizing	Yes / No
		vii. Sketch indicating each component controls and instruments	Yes / No
		viii. Skid dimensions and details	Yes / No
		ix. Relevant literature/catalogue for bought out items	Yes / No
		x. Design calculations of Control Valve, Liquid Control Valves, Safety Valves, and Inlet-Outlet Nozzles to be provided separately	Yes / No
		xi. Foundation details of the skid	Yes / No
		xii. Empty weight of the package	Yes / No
		xiii. Quality Assurance Procedure	Yes / No

INTEGRITY PACT

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(Name of the bidder).....hereinafter referred to as "The Bidder/Contractor"

Preamble:

The Principal intends to award, under laid down organizational procedures, contract/s for **Tender No.....** The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organization "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section: 1 -Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

- (i) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
- (ii) The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder

confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.

- (iii) The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officers and in addition can initiate disciplinary actions .

Section: 2 -Commitments of the Bidder/Contractor

(1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- (i) The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which h e/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- (ii) The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- (iii) The Bidder (s) / Contractor (s) will not commit any offence under the relevant Anticorruption Laws of India, further, the Bidder (s) / Contractor (s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

- (iv) The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
 - (v) Bidders to disclose any transgressions with any other company that may impinge on the anti-corruption principle.
 - (vi) The Bidder (s)/ Contractor (s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder (s)/ Contractor (s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further, all the payments made to the Indian agent/ representative have to be in India Rupees only.
 - (vii) Bidders not to pass any information provided by Principal as part of business relationship to others and not to commit any offence under PC/ IPC Act;
- (2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- (3) The Bidder/Contractor signing Integrity Pact shall not approach the Courts while representing the matters to IEMs and he/she will await their decision in the matter.

Section 3 -Disqualification from tender process and exclusion from future Contracts

If the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or risibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the

amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

3. If the Bidder/Contractor can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

5. Integrity Pact, in respect of a particular contract, shall be operative from the date Integrity Pact is signed by both the parties till the final completion of the contract **or as mentioned in Section 9- Pact Duration whichever is later**. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings. **Any issue relating to execution of contract, if specifically raised before the IEMs shall be looked into by IEMs.**

Section 4 -Compensation for Damages

1. If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit / Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to Security Deposit / Performance Bank Guarantee.

3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 -Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section: 6 -Equal treatment of all Bidders/Contractor/Subcontractors

1. The Principal will enter into Pacts on identical terms with all bidders and contractors.
2. The Bidder / Contractor undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the provisions laid down in this agreement/Pact by any of its sub-contractors/sub-vendors.
3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section: 7 -Criminal charges against violating Bidders/Contractors/Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section: 8 -External Independent Monitor/Monitors

1. The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.

3. The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality. **However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.**
4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the Independent External Monitor shall give an opportunity to the bidder / contractor to present its case before making its recommendations to the Principal.
6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.
7. If the Monitor has reported to the Chairperson of the Board a Substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
8. The word 'Monitor' would include both singular and plural.
9. **In case of any complaints referred under IP Program, the role of IEMs is advisory and would not be legally binding and it is restricted to resolving the issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidder.**

Section:9 -Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

Section:10 -Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.

2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

3. If the Contractor / Bidder is a Joint Venture or a partnership concern or a consortium, this agreement must be signed by all partners or consortium members. In case of sub-contracting, the Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor and all sub-contractors shall also sign the IP.

4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

5. Issues like warranty / guarantee, etc. shall be outside the purview of IEMs.

Date : Place : For the Bidder/Contractor Witness 1: Witness 2:
-----------------------	---