



OIL INDIA LIMITED
(A Government of India Enterprises)
4, India Exchange Place
Kolkata -1

TELEPHONE NO. (033) 22301657

FAX NO: (033) 22302596

Email: kolpur2@oilindia.in

FORWARDING LETTER

Tender No & Date : **SKI 9106P16** **Date: 29.10.2015**

Tender Fee : **Rs 1,000.00**

Bid Security Amount : **Rs. 37,000.00**

Bidding Type : **Single Stage Composite Bid**

Bid Closing on : As mentioned in the Basic Data of e-portal

Bid Opening on : As mentioned in the Basic Data of e-portal

Performance Guarantee : Applicable

Integrity Pact : Not Applicable

Delivery Required : **At DULIAJAN, ASSAM**

OIL invites Bids for **SUPPLY, INSTALLATION AND COMMISSIONING OF SPARES OF 2 NOS. OF COOLING TOWER as per Annexure- IA** through its E-Procurement site. The bidding documents and other terms and conditions are available at Booklet No. MM/CALCUTTA/E-01/2010. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents.

The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions. The details of items tendered can be found in the **Item Data and details uploaded under Technical RFX**.

The tender is invited with firm price for the specified quantity. Further details of tender are given below:-

1. Details of Items with Quantity and Unit of measure are as under:

Sl No. & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANTITY	UOM
10 ----- 0C000100	Supply of spares of Two(2) nos. of Cooling towers of LPG Plant. <u>DETAILS ARE GIVEN IN ANNEXURE IA</u>	2	NOS.

20	INSTALLATION & COMMISSIONING OF SPARES	1	AU
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The tender will be governed by:

- a) “General Terms & Conditions” for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).
- b) Technical specifications with BEC/BRC and Qty. as per **ANNEXURE IA** .
- c) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents.
- d) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.
- e) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- f) Bidder are advised to fill up the Technical bid **CHECK LIST** and **RESPONSE SHEET** given in MS excel format in Technical RFx -> External Area -> Tender Documents. The above filled up document to be uploaded in the **Technical RFX** Response.

Special Note:

1.0 Application showing full address / e-mail address with Tender fee (non-refundable) of ₹ 1000.00 per tender (excepting PSU and SSI units registered with NSIC) by Demand Draft in favour of M/s. Oil India Limited payable at Kolkata and to be sent to Head-Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001. Application shall be accepted only upto one week prior to Bid Closing date. The envelope containing the application for participation should clearly indicate “REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO SKI 9106P16 dated 29.10.2015” for easy identification and timely issue of authorisation. On receipt of requisite tender fee and subject to fulfilment of eligibility criteria, USER_ID and initial PASSWORD will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL’s e-Procurement portal. No physical tender documents will be provided. USER_ID AND INITIAL PASSWORD WILL BE ISSUED TILL ONE WEEK PRIOR TO THE BID CLOSING DATE.

Alternatively, applicants already having User ID & Password for OIL’s e-portal can pay the requisite tender fee and bid security against this tender through the online payment gateway.

On receipt of request from applicants who do not have USER_ID and initial PASSWORD, it will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL’s e-Procurement portal on payment

of requisite tender fees. No physical tender documents will be provided. USER_ID AND INITIAL PASSWORD WILL BE ISSUED TILL ONE WEEK PRIOR TO THE BID CLOSING DATE.

PSU's and SSI units registered with NSIC claiming exemption from payment of tender fee should submit their request with all credentials at least 7 days prior to bid closing date for participation in the tender.

- 2.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to **Head-Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001** only on or before the Bid Closing Date and Time mentioned in the Tender.
 - a) Original Bid Security
 - b) Detailed Catalogue (if any)
 - c) Any other document required to be submitted in original as per tender requirementAll documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate
- 3.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.
- 4.0 All the Bids must be Digitally Signed using "Class 3" digital certificate (e-commerce application) with organisation name as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.
- 5.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.
- 6.0 Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.
- 7.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed Annexure-II. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria contradict the Clauses of the tender and / or "General Terms & Conditions" as per Booklet No. MM/CALCUTTA/E-01/2010 for E procurement (LCB Tenders) to General Terms and Conditions for Indigenous E-Tender elsewhere, those in the BEC / BRC shall prevail.
- 8.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on

or before the deadline given by the company, failing which the offer will be summarily rejected.

- 9.0. Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

NOTE:

- 1. Bidders should submit their bids explicitly mentioning compliance / non compliance to all the NIT terms and conditions.**
- 2. PSUs and SSI units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender. SSI unit to submit valid NSIC certificate specifying the tendered item or its equivalent in their manufacturing range.**

Yours Faithfully,

Sd-

(A.GOGOI)

SPO

For Head-Calcutta Branch



OIL INDIA LIMITED
(A Government of India Enterprise)
4, India Exchange Place, 4th floor,
Kolkata 700001,
West Bengal (India)

TELEPHONE NO. (033) 2230 1657 / 58 / 59

FAX NO: (033) 2230 2596

Email : oilcalmn@oilindia.in

ANNEXURE-IA

Tender No& Date : SKI 9106P16

Dated : 29.10.2015

OIL INDIA LIMITED invites Indigenous tenders for items detailed below:

TECHNICAL SPECIFICATIONS WITH QUANTITY

Sl No. & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANTITY	UOM
10 ----- OC000100	Supply of spares of Two(2) nos. of Cooling towers of LPG Plant. <u>DETAILS ARE GIVEN BELOW</u>	2	NOS.
20	Installation & commissioning of spares	1	AU

Materials required for CT MODEL 472-202

Sl.No.	Description	Quantity	Unit
1	1.1/2X3NX1-4 SPLICE BLOCK	25	nos
2	1.1/2X3X1-6 BLOCK	78	nos
3	1.1/2X4X12-0	7	nos
4	1.1/2X4X1-6 BLOCK	4	nos
5	1.1/2X4X2-9 GIRT	8	nos
6	1.1/2X4X2-9 GIRT	16	nos
7	1.1/2X4X4-6.3/8 E-GIRT	4	nos
8	1.1/2X4X5-0	4	nos
9	1.1/2X4X5-10 GIRT	4	nos
10	1.1/2X4X6-0 GIRT	4	nos
11	1.1/2X4X6-5 GIRT	4	nos
12	1.1/2X4X8-0 GIRT	4	nos

13	1.1/2X4X8-10.7/8 GIRT	33	nos
14	1.1/2X4X9-0	20	nos
15	1.1/2X4X9-4 GIRT	4	nos
16	1.1/2X5NX1-4 BLOCK	8	nos
17	1.1/2X6X11-11.7/8 GIRT	4	nos
18	1.1/2X6X12-2.5/8	1	nos
19	1.1/2X6X12-2.5/8 GIRT	4	nos
20	1.1/2X6X4-0	1	nos
21	1.1/2X6X7-11.7/8 GIRT	4	nos
22	1.1/2X6X8-0 T N G	87	nos
23	1.1/2X8X6-11 PLANK	6	nos
24	1.1/2X8X7-11.3/8 PLANK	8	nos
25	1.1/8NX1.3/4NX3-11.1/2 BAR	342	nos
26	1.15/16NX2X8-0 DIAGONAL	16	nos
27	1X1.1/2X8-0	16	nos
28	1X3X8-0	14	nos
29	1X6X1-7.3/4	164	nos
30	20NX64NX1016 SEAL STRIP	4	nos
31	2X12X7-11.3/8 GIRT	8	nos
32	2X2.5/8NX7-11.3/4 ELIM	98	nos
33	2X3X10-0	8	nos
34	2X3X10-0	1	nos
35	2X3X8-0	4	nos
36	2X4.3/4NX1-0	2	nos
37	2X4X11-11.7/8	12	nos
38	2X4X12-0 GIRT	3	nos
39	2X4X12-2.5/8	1	nos
40	2X4X12-2.5/8 GIRT	12	nos
41	2X4X2-0 SPL	2	nos
42	2X4X7-11.7/8 GIRT	12	nos
43	2X4X8-0	8	nos
44	2X4X8-0	33	nos
45	2X4X8-7.1/4 GIRT	64	nos
46	2X6X8-7.1/2 GIRT	33	nos
47	3/4X6X6-0	25	nos
48	3/8X1.7/8NX3-11.1/2	329	nos
49	3/8X3X6-0 ELIM BLADE	2040	nos
50	3X3X11.1/8 BLOCK	18	nos
51	3X3X1-11.7/8 BLOCK	8	nos
52	3X3X12-0	2	nos
53	3X3X12-0 COL	18	nos
54	3X3X12-0 COL	18	nos
55	3X3X2-0 BLOCK	4	nos
56	3X3X2-5.1/2 BLOCK	8	nos
57	3X3X4-11.7/8 COL	18	nos
58	3X3X4-8.3/16 COL	8	nos
59	3X3X5-0 COL	5	nos
60	3X3X6-2.3/16 COL	18	nos
61	3X3X7 BLOCK	10	nos
62	3X3X7-0	10	nos
63	3X3X7-11.7/16	4	nos

64	3X3X8-7.9/16 COL	4	nos
65	3X4X11-10.3/4 COL	2	nos
66	3X4X1-6 BLOCK	2	nos
67	3X4X6-0 COL	2	nos
68	3X6X8-0	16	nos
69	ADHESIVE - HOLDTITE 50 GM	2	nos
70	BASE CSTG 0-4153-001 CI HDG	8	nos
71	BASE CSTG 0-4154-001 CI HDG	14	nos
72	BRACKET SUPT 0-3369-19 MS HDG	2	nos
73	BRACKET SUPT 0-3369-28 MS HDG	12	nos
74	BRACKET SUPT 0-3369-30 MS HDG	4	nos
75	BRACKET SUPT 0-3369-32 MS HDG	12	nos
76	BRACKET SUPT 0-3369-4 MS HDG	24	nos
77	BRACKET SUPT 0-3369-5 MS HDG	28	nos
78	CORNER ROLL 3X100X200 LG8-0 GRP	8	nos
79	CORR SHT 2X1050X1473 GRP	8	nos
80	CORR SHT 2X1050X1981 GRP	4	nos
81	CORR SHT 1050X2425 98-3035-20 GRP	4	nos
82	CORR SHT 1050X2684 98-3035-23 GRP	4	nos
83	LOUVER 1206X 525X 2 98-3035-25 GRP	88	nos
84	DIPSTICK ASSY 0-2322-1 SS304 H/W	2	nos
85	DRIVE SHAFT GUARD 54-1275-2 MS HDG	8	nos
86	D/S 6Q CLI 1565 GB1.3/8 MB48	1	nos
87	ELBOW 25NB 45D BSP GI	2	nos
88	ELBOW 25NB 90D BSP MED IS1239 HDG	2	nos
89	ELIMINATOR FRAME ASSY 4-4281-15	2	nos
90	ELIMINATOR FRAME ASSY 4-4281-16	16	nos
91	ELIMINATOR FRAME ASSY 4-4281-17	2	nos
92	ELIMINATOR FRAME ASSY 4-4281-18	16	nos
93	ELIMINATOR FRAME ASSY 7-3163-10	16	nos
94	ELIMINATOR FRAME ASSY 7-3163-11	2	nos
95	ELIMINATOR FRAME ASSY 7-3163-12	2	nos
96	ELIMINATOR FRAME ASSY 7-3163-9	16	nos
97	END WALL SUPT ASSY P8-4190-02 TIMBER	4	nos
98	FAN ASSY 144IN H-3-9 9-331-0	2	nos.
99	FAN CYL SEG 144IN PLY EPG	10	nos
100	FAN GUARD 144IN MS HDG	2	nos
101	MTR FTM 30.00HP 180L	1	no.
102	FCV ASSY 8IN 68-8126-0 CI	2	nos
103	FLAT 3X 25X 219 MS HDG	2	nos
104	GRID 16GA 10-4016-1 SS304L	97	nos
105	GRID 16GA 10-4016-3 SS304L	48	nos
106	BENCH TIE 00-3043-3	62400	nos
107	SPLASH V2-BAR 1207MM PVC	20800	nos
108	S. T. NOZZLE	450	nos
109	GSKT 70-1664-3 RUBBER	6	nos
110	GSKT 70-1664-6 RUBBER	2	nos
111	HINGE STRAP 01-2044-1	4	nos
112	HOSE 1INX18.1/2IN SS304	2	nos
113	LADDER ASSY TIMBER	1	nos
114	LADDER ASSY TIMBER	1	nos

115	LATCH ASSY MS	2	nos
116	LOUVER ASSY	14	nos
117	LOUVER ASSY	2	nos
118	LOUVER ASSY	2	nos
119	MASTIC - UNIMASTIC GRADE-C	14.5	kg
120	NAME PLATE P92-2023-1 AL ALLOY	1	nos
121	O RING KIT P7-225-36X2NOS	2	set
122	PAINT - PRIMER RED LEAD	0.1	ltr
123	PIPE SUPT ASSY 200NB MS HDG	1	no.
124	PIPE 25NB X 457 MED GI	2	nos
125	PIPE 25NB X 1702 MED GI	2	nos
126	PIPE NIPPLE 25NBX152 MED GI	2	nos
127	PIPE NIPPLE 25NBX63 MED GI	2	nos
128	PLY 9MMX11.1/2X71.7/8	1	nos
129	PLY 9MMX11.15/16X45.1/4	16	nos
130	PLY 9MMX22.1/4X68.3/8	2	nos
131	PLY 9MMX23.3/4X46.3/4	1	nos
132	PLY 9MMX23.7/8X59.7/8	2	nos
133	PLY 9MMX3.1/2X46.3/8	32	nos
134	PLY 9MMX3.1/2X47.11/16	32	nos
135	PLY 9MMX3.1/2X78.9/16	66	nos
136	PLY 9MMX3.1/2X79.15/16	66	nos
137	PLY 9MMX43.0X71.7/8	1	nos
138	PLY 9MMX48.0X48.0	2	nos
139	PLY 9MMX48.0X72.0	2	nos
140	PLY 9MMX48.0X91.0	2	nos
141	PLY 12MMX2.7/8X2.7/8	8	nos
142	PLY 16MMX13.0X48.0	16	nos
143	PLY 16MMX48.0X79.3/4	16	nos
144	PLY 25MMX1.1/2X36.0	96	nos
145	PLY 25MMX1.1/2X48.0	96	nos
146	PLY 25MMX11.5/8X13.0	2	nos
147	SEALER - UNI-O-STRIP 0.1/8 X 0.1/2	10	kg
148	SHEAR RING 1.7/8 IN 0-12-001	137	nos
149	SHIM SET SS304	2	nos
150	SPLASH BOX ASSY 0-3289-1 TIMBER	4	nos
151	SPLASH BOX COVER ASSY 0-3289-2	4	nos
152	STAPLE - 1 1/4 X 0.095 DIA/2 SS304	618	nos
153	TAPE - TEFLON 12MM WIDE X 3M ROLL	4	nos
154	TEE 10X8X8IN CI	2	nos
155	TEE 25NB BSP GI	2	nos
156	TEE SUPT ISNT MS HDG	4	nos
157	TIE ROD 16X2060 MS HDG	12	nos
158	TIE ROD 20X1300 MS HDG	8	nos
159	TIE ROD 20X1321 MS HDG	8	nos
160	TIE ROD 20X2060 MS HDG	12	nos
161	UNION 25NB BSP FML MEDIUM GI	2	nos
162	WIRE 16 GA 1-4 LEN SS304L	211	nos
163	COACH SCREW M10 X 50 MS HDG	4	nos
164	COACH SCREW M10 X 65 MS HDG	32	nos
165	COACH SCREW M10 X 125 MS HDG	284	nos

166	HEX HD BN M 6 X 40 MS HDG	34	nos
167	HEX HD BN M 6 X 50 MS EG	42	nos
168	HEX HD BN M10 X 25 MS HDG	4	nos
169	HEX HD BN M10 X 40 MS HDG	34	nos
170	HEX HD BN M10 X 75 MS HDG	68	nos
171	HEX HD BN M10 X 80 MS HDG	25	nos
172	HEX HD BN M10 X 100 MS HDG	89	nos
173	HEX HD BN M10 X 120 MS HDG	114	nos
174	HEX HD BN M10 X 130 MS HDG	17	nos
175	HEX HD BN M10 X 190 MS HDG	10	nos
176	HEX HD BN M12 X 40 MS HDG	22	nos
177	HEX HD BN M12 X 65 MS HDG	8	nos
178	HEX HD BN M12 X 90 MS HDG	66	nos
179	HEX HD BN M12 X 100 MS HDG	165	nos
180	HEX HD BN M12 X 120 MS HDG	18	nos
181	HEX HD BN M12 X 130 MS HDG	146	nos
182	HEX HD BN M12 X 140 MS HDG	103	nos
183	HEX HD BN M12 X 150 MS HDG	253	nos
184	HEX HD BN M12 X 165 MS HDG	74	nos
185	HEX HD BN M12 X 180 MS HDG	192	nos
186	HEX HD BN M12 X 190 MS HDG	8	nos
187	HEX HD BN M12 X 200 MS HDG	19	nos
188	HEX HD BN M12 X 280 MS HDG	10	nos
189	HEX HD BN M12 X 300 MS HDG	2	nos
190	HEX HD BN M16 X 50 MS HDG	8	nos
191	HEX HD BN M20 X 65 MS HDG	33	nos
192	HEX NUT M10-1.5 MS HDG	4	nos
193	HEX NUT M20-2.5 MS HDG	39	nos
194	HINGE HOOK 01-2041-1	4	nos
195	NAIL SW 10GAX3.1/2 SS304	327	nos
196	NAIL SW 11GAX3.0 SS304	3935	nos
197	NAIL SW 12GAX2.1/2 SS304	401	nos
198	NAIL SW 13GAX2.0 SS304	3384	nos
199	NAIL SW 14GAX1.1/2 SS304	174	nos
200	SQUARE NUT M16 LH MS HDG	13	nos
201	SQUARE NUT M16 RH MS HDG	13	nos
202	SQUARE NUT M20 LH MS HDG	21	nos
203	U BOLT M10 MS HDG	4	nos
204	WASHER 10ID 25OD 5THK	300	nos
205	WASHER 3ID 20OD 3THK	60	nos
206	WASHER LOCK M10 MS EG	34	nos
207	WASHER LOCK M12 MS EG	22	nos
208	WASHER LOCK M16 MS EG	9	nos
209	WASHER SC M10 MS HDG	1036	nos
210	WASHER SC M12 MS HDG	1922	nos
211	WASHER SC M3 SS304	60	nos
212	WASHER SC M6 MS EG	86	nos
213	NAIL SW 3.4/3.6MMX65 SS304	576	nos.
214	WASHER 3ID 20OD 3THK	576	nos.
215	WASHER SC M3 SS304	576	nos

216. Spiral Target Nozzle	- 450 nos.
217. 30HP Electric Motor (Motor, 30 HP, Sq. cage Induction Motor, 3 Ph, 415 V, TEFC, suitable for Star -Delta starter connection & Non-FLP.)	- 2 set
218. Mechanical Equipment Support	- 1 No.
219. Drive Shaft	- 2 No.
220. Fan Assembly	- 2 Nos.
221. Fan Cylinder with Guard	- 2 nos.
222. FC Valve	- 2 Nos.
223. Oil line assembly	- 2 nos.

FRP Casing & Louver - 30 %

HDG Hardware - 100%

Fill Block- 100% with SS Grid & PVC V2 Bar

Eliminator - 100% with timber/ply

Materials required for CT MODEL 457-202 Sl. 80-2-0211:

Sl.No.	Description	Quantity	Unit of measurement
1	1.1/2X3NX1-4 SPLICE BLOCK	16	nos
2	1.1/2X3X1-6 BLOCK	78	nos
3	1.1/2X4X11-2.3/8 GIRT	4	nos
4	1.1/2X4X12-0	15	nos
5	1.1/2X4X12-0	1	nos
6	1.1/2X4X1-6 BLOCK	2	nos
7	1.1/2X4X1-9.5/8 BLOCK	16	nos
8	1.1/2X4X2-6 GIRT	8	nos
9	1.1/2X4X5-0	4	nos
10	1.1/2X4X6-0 GIRT	4	nos
11	1.1/2X4X6-5 GIRT	4	nos
12	1.1/2X4X7-0 GIRT	8	nos
13	1.1/2X4X8-10.7/8 GIRT	32	nos
14	1.1/2X5NX1-4 BLOCK	8	nos
15	1.1/2X6X11-11.7/8 GIRT	8	nos
16	1.1/2X6X12-0 T N G	46	nos
17	1.1/2X6X4-0	1	nos
18	1.1/2X6X8-2.5/8 GIRT	4	nos
19	1.1/2X8X6-9.5/8 PLANK	6	nos
20	1.1/2X8X7-11.3/8 PLANK	9	nos
21	1.1/8NX1.3/4NX3-11.1/2 BAR	346	nos
22	1.15/16NX2X8-0 DIAGONAL P8-4192-18.	16	nos
23	1X1.1/2X8-0	25	nos
24	1X3X8-0	13	nos
25	1X6X1-7.3/4	98	nos
26	20NX64NX1016 SEAL STRIP	4	nos

27	2X12X7-11.3/8 GIRT	8 nos
28	2X2.5/8NX7-11.3/4 ELIM	82 nos
29	2X3X5-3 GIRT	4 nos
30	2X3X8-0	2 nos
31	2X3X9-0 PLANK	8 nos
32	2X4.3/4NX1-0	2 nos
33	2X4X11-11.7/8 GIRT	18 nos
34	2X4X2-0 SPL	2 nos
35	2X4X8-0	16 nos
36	2X4X8-0 GIRT	8 nos
37	2X4X8-2.5/8 GIRT	8 nos
38	2X4X8-7.1/4 GIRT	33 nos
39	2X6X8-7.1/2 GIRT	33 nos
40	3/8X1.7/8NX3-11.1/2	264 nos
41	3/8X3X6-0 ELIM BLADE	1660 nos
42	3X3X11.1/8 BLOCK	18 nos
43	3X3X1-11.7/8 BLOCK	8 nos
44	3X3X2-0 BLOCK	4 nos
45	3X3X2-5.1/2 BLOCK	8 nos
46	3X3X4-8.1/2 COL	18 nos
47	3X3X4-8.7/16 COL	8 nos
48	3X3X5-0 COL	5 nos
49	3X3X5-11.3/16 COL	18 nos
50	3X3X6-11.5/16 COL	4 nos
51	3X3X7 BLOCK	10 nos
52	3X3X7-0	8 nos
53	3X3X8-0.7/16 COL	4 nos
54	3X3X9-6 COL	18 nos
55	3X3X9-6.1/2 COL	19 nos
56	3X4X1-6 BLOCK	1 nos
57	3X4X5-2.1/4 COL	2 nos
58	3X4X9-8.1/2 COL	2 nos
59	3X6X8-0	17 nos
60	ADHESIVE - HOLDTITE 50 GM	2 nos
61	BASE CSTG 0-4153-001 CI HDG	8 nos
62	BASE CSTG 0-4154-001 CI HDG	14 nos
63	BRACKET SUPT 0-3369-19 MS HDG	2 nos
64	BRACKET SUPT 0-3369-4 MS HDG	16 nos
65	BRACKET SUPT 0-3369-5 MS HDG	8 nos
66	CORNER ROLL 3X100X200 LG8-0 GRP	8 nos
67	CORR SHT 2X1050X1270 GRP	8 nos
68	CORR SHT 2X1050X1981 GRP	4 nos
69	CORR SHT 1050X2441 GRP	2 nos
70	DIPSTICK ASSY 0-2322-1 SS304 H/W	2 nos
71	DRIVE SHAFT GUARD MS HDG	8 nos
72	ELBOW 25NB 45D BSP GI	2 nos
73	ELBOW 25NB 90D BSP MED HDG	2 nos
74	ELIMINATOR FRAME ASSY	16 nos
75	ELIMINATOR FRAME ASSY	2 nos
76	ELIMINATOR FRAME ASSY	2 nos
77	ELIMINATOR FRAME ASSY	16 nos

78	END WALL SUPT ASSY	TIMBER	4 nos
79	FAN CYL SEG	PLY EPG	10 nos
80	FAN GUARD	144IN MS HDG	2 nos
81	FCV ASSY	8IN CI	2 nos
82	FLAT	3X 25X 219 2-2174-4 MS HDG	2 nos
83	GRID	16GA 10-4016-1 SS304L	98 nos
84	SPLASH V2-BAR	1207MM 97-3055-1 PVC	16700 nos
85	BENCH TIE	00-3043-3 PP	50100 nos
86	S. T. NOZZLE	68-3738-060	450 nos
87	D/S 6Q CLI	1565 GB1.3/8 MB48	1 no
88	FAN ASSY	144IN	2 nos.
89	GRDR	22.2T 4.56:1	1 nos
90	MTR FTM	30.00HP	1 no
91	GSKT	70-1664-3 RUBBER	6 nos
92	HINGE STRAP	01-2044-1 30-GL-PP	4 nos
93	HOSE	1INX18.1/2IN SS304	2 nos
94	LADDER ASSY	TIMBER	1 nos
95	LADDER ASSY	TIMBER	1 nos
96	LATCH ASSY	2-2174-1 MS	2 nos
97	LOUVER	1206X 525X 2 GRP	70 nos
98	LOUVER ASSY		14 nos
99	LOUVER ASSY		2 nos
100	LOUVER ASSY		2 nos
101	MASTIC - UNIMASTIC	GRADE-C	15 kg
102	NAME PLATE	AL ALLOY	1 nos
103	O RING KIT	P7-225-36X2NOS	2 set
104	OIL - VG-100/SAE-30		26 ltr
105	PAINT - PRIMER	RED LEAD	0.1 ltr
106	PIPE SUPT ASSY	200NB MS HDG	1 No.
107	PIPE	25NB X 457 MED BSPTBE GI	2 nos
108	PIPE	25NB X 1499 MED BSPTBE GI	2 nos
109	PIPE NIPPLE	25NBX152 MED BSPTBE GI	2 nos
110	PIPE NIPPLE	25NBX63 MED BSPTBE GI	2 nos
111	PLY	9MMX11.15/16X45.1/4	16 nos
112	PLY	9MMX14.0X60.0	2 nos
113	PLY	9MMX20.1/4X72.0	1 nos
114	PLY	9MMX23.3/4X46.3/4	1 nos
115	PLY	9MMX3.1/2X78.9/16	64 nos
116	PLY	9MMX3.1/2X79.15/16	64 nos
117	PLY	9MMX43.0X72.0	1 nos
118	PLY	9MMX48.0X48.0	1 nos
119	PLY	9MMX48.0X72.0	1 nos
120	PLY	9MMX48.0X91.0	2 nos
121	PLY	12MMX2.7/8X2.7/8	8 nos
122	PLY	16MMX13.5/8X48.0	8 nos
123	PLY	16MMX48.0X77.3/4	16 nos
124	PLY	25MMX1.1/2X36.0	48 nos
125	PLY	25MMX1.1/2X48.0	48 nos
126	PLY	25MMX11.5/8X13.0	2 nos
127	SEALER - UNI-O-STRIP		10 kg
128	SHEAR RING	1.7/8 IN	77 nos

129	SHIM SET SS304	2 nos
130	SPLASH BOX ASSY 0-3289-1 TIMBER	4 nos
131	SPLASH BOX COVER ASSY 0-3289-2	4 nos
132	STAPLE - 1 1/4 X 0.095 DIA/2 LEG SS304	618 nos
133	TAPE - TEFLON 12MM WIDE X 3M ROLL	4 nos
134	TEE 10X8X8IN CI 52-498-1 M	2 nos
135	TEE 25NB BSP GI	2 nos
136	TEE SUPT ISNT 97-3011-03	4 nos
137	TIE ROD 16X2060 MS HDG	8 nos
138	TIE ROD 20X2060 MS HDG	8 nos
139	UNION 25NB BSP FML MEDIUM GI	2 nos
140	WIRE 16 GA 1-4 LEN SS304L	164 nos
141	COACH SCREW M10 X 50 MS HDG	5 nos
142	COACH SCREW M10 X 65 MS HDG	32 nos
143	COACH SCREW M10 X 125 MS HDG	198 nos
144	HEX HD BN M 6 X 50 MS HDG	42 nos
145	HEX HD BN M10 X 25 MS HDG	4 nos
146	HEX HD BN M10 X 40 MS HDG	34 nos
147	HEX HD BN M10 X 75 MS HDG	2 nos
148	HEX HD BN M10 X 80 MS HDG	97 nos
149	HEX HD BN M10 X 100 MS HDG	103 nos
150	HEX HD BN M10 X 120 MS HDG	55 nos
151	HEX HD BN M10 X 130 MS HDG	17 nos
152	HEX HD BN M10 X 190 MS HDG	10 nos
153	HEX HD BN M12 X 40 MS HDG	21 nos
154	HEX HD BN M12 X 65 MS HDG	8 nos
155	HEX HD BN M12 X 90 MS HDG	58 nos
156	HEX HD BN M12 X 100 MS HDG	99 nos
157	HEX HD BN M12 X 120 MS HDG	18 nos
158	HEX HD BN M12 X 130 MS HDG	210 nos
159	HEX HD BN M12 X 140 MS HDG	13 nos
160	HEX HD BN M12 X 150 MS HDG	233 nos
161	HEX HD BN M12 X 165 MS HDG	58 nos
162	HEX HD BN M12 X 180 MS HDG	165 nos
163	HEX HD BN M12 X 200 MS HDG	10 nos
164	HEX HD BN M12 X 240 MS HDG	10 nos
165	HEX HD BN M12 X 300 MS HDG	2 nos
166	HEX HD BN M16 X 40 MS HDG	9 nos
167	HEX HD BN M16 X 50 MS HDG	8 nos
168	HEX HD BN M20 X 65 MS HDG	34 nos
169	HEX NUT M10-1.5 IS1364 MS HDG	5 nos
170	HEX NUT M20-2.5 IS1364 MS HDG	9 nos
171	HINGE HOOK 01-2041-1 30-GL-PP	4 nos
172	NAIL SW 10GAX3.1/2 SS304	309 nos
173	NAIL SW 11GAX3.0 SS304	2155 nos
174	NAIL SW 12GAX2.1/2 SS304	408 nos
175	NAIL SW 13GAX2.0 SS304	1854 nos
176	NAIL SW 14GAX1.1/2 SS304	92 nos
177	SQUARE NUT M16 LH MS HDG	9 nos
178	SQUARE NUT M16 RH MS HDG	9 nos
179	SQUARE NUT M20 LH MS HDG	9 nos

180	U BOLT M10 MS HDG	4 nos
181	WASHER 10ID 25OD 5THK	212 nos
182	WASHER 3ID 20OD 3THK	50 nos
183	WASHER LOCK M10 MS	35 nos
184	WASHER LOCK M12 MS	22 nos
185	WASHER LOCK M16 MS	9 nos
186	WASHER SC M10 MS HDG	894 nos
187	WASHER SC M12 MS HDG	1681 nos
188	WASHER SC M3 SS304	50 nos
189	WASHER SC M6	86 nos
190	NAIL SW 3.4/3.6MMX65 SS304	508 nos
191	WASHER 3ID 20OD 3THK	508 nos
192	WASHER SC M3 SS304	508 nos
193	Spiral Target Nozzle	450 nos.
194	Reduction Gearbox	1 No.
195	30HP Electric Motor (Motor, 30 HP, Sq. cage induction MOTOR, 3Ph, 415 V, TEFC, suitable for Star -Delta starter connection & Non-FLP.)	1 No.
196	Mechanical Equipment Support	1 No.
197	Drive Shaft	2 No.
198	Fan Assembly	2 Nos.
199	Fan Cylinder with Guard	2 nos.
200	FC Valve	2 Nos.
201	Oil line assembly	2 nos.

FRP Casing & Louver - 30 %

HDG Hardware - 100%

Fill - 100% with SS Grid & PVC V2 Bar

Eliminator - 100% with timber/ply

INSTALLATION & COMMISSIONING:

01. Labour and Supervision charges for overhauling of 2 cells cooling tower Model No. 472-202 with above replacement materials and salvage materials.

02. Labour and Supervision charges for overhauling of 2 cells cooling tower Model No. 457-202 with above replacement materials and salvage materials.

NOTES ON NIT:

1. Only Douglas Fir timber of grade 2 is to be used at all structural members. The bidder has to submit an undertaking confirming the same. Douglas fir timber is to be inspected and stamped by authentic inspection authority and also atleast 50% of the imported timbers has to be stamped with seal. If it is found that atleast 50% of the Timber supplied is not marked with seal, then the whole lot will be rejected by OIL.

2. Timber components has to be Douglas fir timber of grade 2 which should meet the strength as per IS:883 of the cooling tower & shall be fabricated from good quality pine wood as per IS-2372 and has to be pressure treated with Chromated Copper Arsenate in full cell process as per IS-401 for its longer life and durability, the bidder shall agree to submit documentary evidence along with the supplied items. All the plywood components shall be made from Marine plywood.
3. All wooden structural and load-bearing members - columns, girts, supports, diagonals etc. should be replaced.
4. For the purpose of replacement of the above, only pre-fabricated properly treated timbers must be used.
5. The bidder may visit OIL's LPG Recovery Plant, Duliajan at own cost to understand the requirement before bidding.
6. Original grid configuration should be restored and high-efficiency PVC V2-bar splash type fill should be installed.
7. To support the PVC V-bar splash type fill, use of SS304 grids is recommended to prolong the service life and better support.
8. Existing PVC single wave type eliminator must be replaced by timber /marine grade plywood eliminator as per the original design.
9. To have the optimum air-water contact time inside the tower, the original gear-reduction ratio is to be restored. This is applicable for one gear-reducer, which must be changed -corresponding to the tower model 457-202.
10. The flow-control valves are to be changed, as rust, spindle-damages were observed in all the eight valves (for both the towers).
11. All the fan-assemblies are required to be replaced.
12. The drive-shafts and equipment supports are recommended to be changed.
13. All the timbers supplied by the party directly from factory will be prefabricated and properly treated as per CTI Code STD-112.
14. All steel components like fasteners, bolts, nuts, washers etc. including nails shall be of SS 304 quality.
15. The offer must be accompanied by catalogue showing material specification, dimension, drawing etc. Copy of test certificates for timber components, steel components, FRP & GRP components are to be submitted along with enquiry for our scrutiny. Non-fulfillment of the same may lead to the rejection of the offer.
16. Bidder shall agree to submit material test certificates along with the materials certifying the quality of materials.
17. The servicing of the cooling tower will have to be carried out during the running of the LPG Recovery Plant with the spare cooling tower in running condition. Both the cooling tower has the basins connected together. Isolation of the basin will have to be done by the party. OIL have separate individual water isolation valve in each cooling tower. Necessary help shall be provided by OIL.
18. The supplier will have to carryout the complete dismantling, servicing and commissioning of the existing cooling tower and handover the renewed / serviced tower with new components to the Plant personnel after satisfactory trial performance. OIL shall provide the services of Cranes for removing of the gear boxes and fans, motors and other heavy objects from the tower top and during commissioning of the same only. The supplier will have to give their tentative requirement of cranes at the beginning of the project. OIL shall also

provide suitable lighting arrangement, one water supply point and one electric connection point. However all electrical and other instruments shall have to be brought by the supplier to site. Scaffolding materials are to be arranged by the supplier. OIL shall provide space for storage of materials received at site.

19. The Contractor may be required to work during night time to complete the job within stipulated short time for which required procedures are to be followed. OIL shall provide lighting arrangement for the same.

20. Fixing of the components after dismantling of the unserviceable components and commissioning of the cooling tower shall be carried out by experienced and qualified persons having proven experience. Railing / guard must be provided at top for safety reason.

21. The completion time for the full repair job shall be tight due to our operating constraints and it should be carried out in shortest possible time.

22. After completion of the servicing / repair job, performance run shall be carried out to ascertain revival of the original design efficiency.

23. **Payment term:** 70% payment of supplied materials will be made after receipt of materials and after deducting liquidated damages, if any. (Refer relevant para of Annexure-I).and remaining 30% payment will be made after successful installation and commissioning of the item at OIL's site (LPG Recovery Plant) at Duliajan, Assam.

24. The supplier must fulfill all statutory, legal obligations with respect to the project.

25. Our requirement is urgent, OIL need to carryout the revamping before the start of next summer i.e. within March, 2016 . Hence the party will have to improve upon delivery schedule to suit our operational requirement.

26. The bidder shall quote for all the items, otherwise the bid shall be rejected.

27. The offer shall be in English language only.

BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the "Bid Rejection Criteria" as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/CALCUTTA/E-01/2010 elsewhere, those in the BRC / BEC shall prevail.

BID REJECTION CRITERIA (BRC):

The bids shall conform generally to the specifications and terms as well as conditions laid out in the tender. Bids will be rejected in case the items offered do not conform to the required parameters stipulated in the

technical specifications and to the respective international/national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements will have to be met by the bids, without which, the same shall be considered as non-responsive and stand rejected.

A TECHNICAL:

Notwithstanding the general conformity of the bids to the stipulated specifications and terms & conditions, the following requirement shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected .

(i) Bidder shall provide documentary evidence in terms of (a)work order and (b)job completion certificate from client about experience of having successfully completed "Similar Works" having order value for atleast Rs. 11,10,000.00 during last 3 years as on bid closing date.

"Similar Works" means Supply of materials, installation & Commissioning of Cooling Tower(s) in LPG Plant in Gas processing plant or any Petrochemical industry with PSUs/Central Govt./State Govt./Public Limited company in last 3(three) years from date of bid opening.

(ii)Bidder shall have to quote directly and not through any agent. Offers made by their agents on behalf of their principals/undertaking will be rejected. Similarly, bids received from unsolicited parties shall be rejected.

(iii) Material test certificates shall be required alongwith the supply of materials of cooling tower for which the party has to give an undertaking.

(iv)The offer must be accompanied by catalogue showing material specification, dimension, drawing etc. Copy of test certificates for timber components, steel components, FRP & GRP components are to be submitted along with enquiry for our scrutiny. Non-fulfillment of the same may lead to the rejection of the offer.

(v) The supplier shall agree to provide guarantee/ warrantee of the supplied items for 18 months from the date of delivery or 12 months from the date of installation & commissioning, whichever is earlier.

(vi)The supplier shall quote for all the items specified in this tender. The supplier shall separately indicate the price for:

- (a) Supplied items and
- (b) Installation & commissioning.

B - COMMERCIAL

- i). Bid security amounting to Rs. 37,000.00 can be paid in three modes, viz., Bank Guarantee/ DD/ Online. Bid security in the form of Bank Guarantee as per format given in the LCB booklet MM/CALCUTTA/E-**

01/2010 of Rs 37,000.00 shall be submitted manually in sealed envelope superscribed with BID SECURITY AGAINST Tender no. **SKI P16 dated to Head Calcutta Branch, Oil India Limited, 4 India Exchange Place, Kolkata-700001** only on or before the Bid Closing Date and Time mentioned in the Tender. **If bid security in ORIGINAL of above mentioned amount is not received within bid closing date , the bid submitted through electronic form will be rejected without any further consideration.** In lieu, Bid Security of Rs. 37,000.00 can also be paid online through our e-procurement portal as per procedure given in user manual in OIL's e-procurement portal. For exemption for submission of Bid Security, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. **The Bid Security if submitted in the form of Bank Guarantee shall be valid for 180 days more than the Bid validity, i.e., for 300 days from the date of bid opening.**

- ii). The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- iii). **The annual turnover in any of the last 3 (three) financial years or current financial year should not be less than Rs. 37,00,000.00.**

Note : For proof of Annual Turnover, any one of the following documents /photocopies (self attested/attested) must be submitted along with the bid :-

(a) A certificate issued by a practicing Chartered/ Cost Accountants Firm with membership no. and Firm's registration no certifying the Average Annual Turnover and nature of business.

or

(b) Audited balance sheet and profit & loss account

- iv). Successful bidder will be required to furnish a **Performance Bank Guarantee @10%** of the order value. For exemption for submission of Performance Bank Guarantee, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. The Performance Bank Guarantee must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of despatch whichever is earlier. **Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.**

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

- v). **The Bank Guarantee should be allowed to be encashed at all branches within India.**
- vi). Bids received after the bid closing date and time will be rejected.
- vii). Validity of the bid shall be **minimum 120 days from the Bid Closing Date. Bids with lesser validity will be rejected.**
- viii). Bids containing incorrect statement will be rejected.
- ix). All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be rejected.

2.0 BID EVALUATION CRITERIA (BEC):

A. TECHNICAL:

The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after subjecting to Bid Rejection Criteria (BRC) will be considered for further evaluation as per the Bid Evaluation Criteria given below.

- i) All materials as indicated in the material description of the enquiry should be offered. If any of the items are not offered by the bidders, the offer will not be considered for evaluation.

B. COMMERCIAL:

- a. To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.

- b) To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein:

- (A) Total Material Cost
- (B) Packing and Forwarding Charges
- (C) Total Ex-works value, (A+B) above :
- (D) Excise Duty including Cess
- (E) Sales Tax, (Please indicate applicable rate of Tax)
- (F) Total FOR Despatching station price, (C+D+E) above
- (G) Road Transportation charges to Duliajan
- (H) Insurance Charges @0.5% of Total For Despatching Station Value (F) above
- (I) Assam Entry Tax
- (J) Total FOR Duliajan value, (F+G+H+I) above

- (K) Installation/Commissioning Charges including Service Tax, if any :
- (L) Grand Total value, (J+K)

c. In the event of computational error between the unit price and total price, unit price shall prevail for evaluation.

d. Similarly in the event of discrepancy between the words and figure, words shall prevail and adopted for evaluation.

e. To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

C) GENERAL:

- i) The Compliance statement must be filled up by bidders and to be submitted/uploaded along with their bids. In case bidder takes exception to any clause of the bidding document not covered under BEC/BRC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by Company. The loading so done by the company will be final and binding on the bidders. No deviation will, however, be accepted in the clauses covered under BRC.
- ii) If any of the clauses in the BRC contradicts with other clauses of bidding document elsewhere, then the clauses in the BRC shall prevail.
- iii) Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.
- iv) A bid shall be rejected straightway if it does not conform to any one of the following clauses:**
 - (a) Validity of bid shorter than the validity indicated in the Tender.**
 - (b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.**
 - (c) Bid Security with (i) validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.**
 - (d) Average Annual Turnover of a bidder lower than the average Annual turnover mentioned in the Tender.**

Standard Notes:

- A. The original bid security (Amount is mentioned above and also in Basic Data of the tender in OIL’s e-portal) should reach us before bid**

closing date and time .Bid without original Bid Security will be rejected. In lieu, bidders can also pay the Bid Security amount online through e-procurement portal. The bidders who are exempted from submitting the Bid Bond should attach documentary evidence in the Collaboration folder as per General Terms and conditions for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).

- B. All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) only as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be liable for rejection.**
- C. “General Terms & Conditions” for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).**

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OIL INDIA LIMITED
(A Government of India Enterprise)
4, India Exchange Place, 4th floor,
Kolkata 700001,
West Bengal (India)

TELEPHONE NO. (033) 2230 1657 / 58 / 59

FAX NO: (033) 2230 2596

Email : oilcalmn@oilindia.in

ANNEXURE-IA

Tender No& Date : SKI 9106P16

Dated : 29.10.2015

OIL INDIA LIMITED invites Indigenous tenders for items detailed below:

TECHNICAL SPECIFICATIONS WITH QUANTITY

Sl No. & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANTITY	UOM
10 ----- OC000100	Supply of spares of Two(2) nos. of Cooling towers of LPG Plant. <u>DETAILS ARE GIVEN BELOW</u>	2	NOS.
20	Installation & commissioning of spares	1	AU

Materials required for CT MODEL 472-202

Sl.No.	Description	Quantity	Unit
1	1.1/2X3NX1-4 SPLICE BLOCK	25	nos
2	1.1/2X3X1-6 BLOCK	78	nos
3	1.1/2X4X12-0	7	nos
4	1.1/2X4X1-6 BLOCK	4	nos
5	1.1/2X4X2-9 GIRT	8	nos
6	1.1/2X4X2-9 GIRT	16	nos
7	1.1/2X4X4-6.3/8 E-GIRT	4	nos
8	1.1/2X4X5-0	4	nos
9	1.1/2X4X5-10 GIRT	4	nos
10	1.1/2X4X6-0 GIRT	4	nos
11	1.1/2X4X6-5 GIRT	4	nos
12	1.1/2X4X8-0 GIRT	4	nos

13	1.1/2X4X8-10.7/8 GIRT	33	nos
14	1.1/2X4X9-0	20	nos
15	1.1/2X4X9-4 GIRT	4	nos
16	1.1/2X5NX1-4 BLOCK	8	nos
17	1.1/2X6X11-11.7/8 GIRT	4	nos
18	1.1/2X6X12-2.5/8	1	nos
19	1.1/2X6X12-2.5/8 GIRT	4	nos
20	1.1/2X6X4-0	1	nos
21	1.1/2X6X7-11.7/8 GIRT	4	nos
22	1.1/2X6X8-0 T N G	87	nos
23	1.1/2X8X6-11 PLANK	6	nos
24	1.1/2X8X7-11.3/8 PLANK	8	nos
25	1.1/8NX1.3/4NX3-11.1/2 BAR	342	nos
26	1.15/16NX2X8-0 DIAGONAL	16	nos
27	1X1.1/2X8-0	16	nos
28	1X3X8-0	14	nos
29	1X6X1-7.3/4	164	nos
30	20NX64NX1016 SEAL STRIP	4	nos
31	2X12X7-11.3/8 GIRT	8	nos
32	2X2.5/8NX7-11.3/4 ELIM	98	nos
33	2X3X10-0	8	nos
34	2X3X10-0	1	nos
35	2X3X8-0	4	nos
36	2X4.3/4NX1-0	2	nos
37	2X4X11-11.7/8	12	nos
38	2X4X12-0 GIRT	3	nos
39	2X4X12-2.5/8	1	nos
40	2X4X12-2.5/8 GIRT	12	nos
41	2X4X2-0 SPL	2	nos
42	2X4X7-11.7/8 GIRT	12	nos
43	2X4X8-0	8	nos
44	2X4X8-0	33	nos
45	2X4X8-7.1/4 GIRT	64	nos
46	2X6X8-7.1/2 GIRT	33	nos
47	3/4X6X6-0	25	nos
48	3/8X1.7/8NX3-11.1/2	329	nos
49	3/8X3X6-0 ELIM BLADE	2040	nos
50	3X3X11.1/8 BLOCK	18	nos
51	3X3X1-11.7/8 BLOCK	8	nos
52	3X3X12-0	2	nos
53	3X3X12-0 COL	18	nos
54	3X3X12-0 COL	18	nos
55	3X3X2-0 BLOCK	4	nos
56	3X3X2-5.1/2 BLOCK	8	nos
57	3X3X4-11.7/8 COL	18	nos
58	3X3X4-8.3/16 COL	8	nos
59	3X3X5-0 COL	5	nos
60	3X3X6-2.3/16 COL	18	nos
61	3X3X7 BLOCK	10	nos
62	3X3X7-0	10	nos
63	3X3X7-11.7/16	4	nos

64	3X3X8-7.9/16 COL	4	nos
65	3X4X11-10.3/4 COL	2	nos
66	3X4X1-6 BLOCK	2	nos
67	3X4X6-0 COL	2	nos
68	3X6X8-0	16	nos
69	ADHESIVE - HOLDTITE 50 GM	2	nos
70	BASE CSTG 0-4153-001 CI HDG	8	nos
71	BASE CSTG 0-4154-001 CI HDG	14	nos
72	BRACKET SUPT 0-3369-19 MS HDG	2	nos
73	BRACKET SUPT 0-3369-28 MS HDG	12	nos
74	BRACKET SUPT 0-3369-30 MS HDG	4	nos
75	BRACKET SUPT 0-3369-32 MS HDG	12	nos
76	BRACKET SUPT 0-3369-4 MS HDG	24	nos
77	BRACKET SUPT 0-3369-5 MS HDG	28	nos
78	CORNER ROLL 3X100X200 LG8-0 GRP	8	nos
79	CORR SHT 2X1050X1473 GRP	8	nos
80	CORR SHT 2X1050X1981 GRP	4	nos
81	CORR SHT 1050X2425 98-3035-20 GRP	4	nos
82	CORR SHT 1050X2684 98-3035-23 GRP	4	nos
83	LOUVER 1206X 525X 2 98-3035-25 GRP	88	nos
84	DIPSTICK ASSY 0-2322-1 SS304 H/W	2	nos
85	DRIVE SHAFT GUARD 54-1275-2 MS HDG	8	nos
86	D/S 6Q CLI 1565 GB1.3/8 MB48	1	nos
87	ELBOW 25NB 45D BSP GI	2	nos
88	ELBOW 25NB 90D BSP MED IS1239 HDG	2	nos
89	ELIMINATOR FRAME ASSY 4-4281-15	2	nos
90	ELIMINATOR FRAME ASSY 4-4281-16	16	nos
91	ELIMINATOR FRAME ASSY 4-4281-17	2	nos
92	ELIMINATOR FRAME ASSY 4-4281-18	16	nos
93	ELIMINATOR FRAME ASSY 7-3163-10	16	nos
94	ELIMINATOR FRAME ASSY 7-3163-11	2	nos
95	ELIMINATOR FRAME ASSY 7-3163-12	2	nos
96	ELIMINATOR FRAME ASSY 7-3163-9	16	nos
97	END WALL SUPT ASSY P8-4190-02 TIMBER	4	nos
98	FAN ASSY 144IN H-3-9 9-331-0	2	nos.
99	FAN CYL SEG 144IN PLY EPG	10	nos
100	FAN GUARD 144IN MS HDG	2	nos
101	MTR FTM 30.00HP 180L	1	no.
102	FCV ASSY 8IN 68-8126-0 CI	2	nos
103	FLAT 3X 25X 219 MS HDG	2	nos
104	GRID 16GA 10-4016-1 SS304L	97	nos
105	GRID 16GA 10-4016-3 SS304L	48	nos
106	BENCH TIE 00-3043-3	62400	nos
107	SPLASH V2-BAR 1207MM PVC	20800	nos
108	S. T. NOZZLE	450	nos
109	GSKT 70-1664-3 RUBBER	6	nos
110	GSKT 70-1664-6 RUBBER	2	nos
111	HINGE STRAP 01-2044-1	4	nos
112	HOSE 1INX18.1/2IN SS304	2	nos
113	LADDER ASSY TIMBER	1	nos
114	LADDER ASSY TIMBER	1	nos

115	LATCH ASSY MS	2	nos
116	LOUVER ASSY	14	nos
117	LOUVER ASSY	2	nos
118	LOUVER ASSY	2	nos
119	MASTIC - UNIMASTIC GRADE-C	14.5	kg
120	NAME PLATE P92-2023-1 AL ALLOY	1	nos
121	O RING KIT P7-225-36X2NOS	2	set
122	PAINT - PRIMER RED LEAD	0.1	ltr
123	PIPE SUPT ASSY 200NB MS HDG	1	no.
124	PIPE 25NB X 457 MED GI	2	nos
125	PIPE 25NB X 1702 MED GI	2	nos
126	PIPE NIPPLE 25NBX152 MED GI	2	nos
127	PIPE NIPPLE 25NBX63 MED GI	2	nos
128	PLY 9MMX11.1/2X71.7/8	1	nos
129	PLY 9MMX11.15/16X45.1/4	16	nos
130	PLY 9MMX22.1/4X68.3/8	2	nos
131	PLY 9MMX23.3/4X46.3/4	1	nos
132	PLY 9MMX23.7/8X59.7/8	2	nos
133	PLY 9MMX3.1/2X46.3/8	32	nos
134	PLY 9MMX3.1/2X47.11/16	32	nos
135	PLY 9MMX3.1/2X78.9/16	66	nos
136	PLY 9MMX3.1/2X79.15/16	66	nos
137	PLY 9MMX43.0X71.7/8	1	nos
138	PLY 9MMX48.0X48.0	2	nos
139	PLY 9MMX48.0X72.0	2	nos
140	PLY 9MMX48.0X91.0	2	nos
141	PLY 12MMX2.7/8X2.7/8	8	nos
142	PLY 16MMX13.0X48.0	16	nos
143	PLY 16MMX48.0X79.3/4	16	nos
144	PLY 25MMX1.1/2X36.0	96	nos
145	PLY 25MMX1.1/2X48.0	96	nos
146	PLY 25MMX11.5/8X13.0	2	nos
147	SEALER - UNI-O-STRIP 0.1/8 X 0.1/2	10	kg
148	SHEAR RING 1.7/8 IN 0-12-001	137	nos
149	SHIM SET SS304	2	nos
150	SPLASH BOX ASSY 0-3289-1 TIMBER	4	nos
151	SPLASH BOX COVER ASSY 0-3289-2	4	nos
152	STAPLE - 1 1/4 X 0.095 DIA/2 SS304	618	nos
153	TAPE - TEFLON 12MM WIDE X 3M ROLL	4	nos
154	TEE 10X8X8IN CI	2	nos
155	TEE 25NB BSP GI	2	nos
156	TEE SUPT ISNT MS HDG	4	nos
157	TIE ROD 16X2060 MS HDG	12	nos
158	TIE ROD 20X1300 MS HDG	8	nos
159	TIE ROD 20X1321 MS HDG	8	nos
160	TIE ROD 20X2060 MS HDG	12	nos
161	UNION 25NB BSP FML MEDIUM GI	2	nos
162	WIRE 16 GA 1-4 LEN SS304L	211	nos
163	COACH SCREW M10 X 50 MS HDG	4	nos
164	COACH SCREW M10 X 65 MS HDG	32	nos
165	COACH SCREW M10 X 125 MS HDG	284	nos

166	HEX HD BN M 6 X 40 MS HDG	34	nos
167	HEX HD BN M 6 X 50 MS EG	42	nos
168	HEX HD BN M10 X 25 MS HDG	4	nos
169	HEX HD BN M10 X 40 MS HDG	34	nos
170	HEX HD BN M10 X 75 MS HDG	68	nos
171	HEX HD BN M10 X 80 MS HDG	25	nos
172	HEX HD BN M10 X 100 MS HDG	89	nos
173	HEX HD BN M10 X 120 MS HDG	114	nos
174	HEX HD BN M10 X 130 MS HDG	17	nos
175	HEX HD BN M10 X 190 MS HDG	10	nos
176	HEX HD BN M12 X 40 MS HDG	22	nos
177	HEX HD BN M12 X 65 MS HDG	8	nos
178	HEX HD BN M12 X 90 MS HDG	66	nos
179	HEX HD BN M12 X 100 MS HDG	165	nos
180	HEX HD BN M12 X 120 MS HDG	18	nos
181	HEX HD BN M12 X 130 MS HDG	146	nos
182	HEX HD BN M12 X 140 MS HDG	103	nos
183	HEX HD BN M12 X 150 MS HDG	253	nos
184	HEX HD BN M12 X 165 MS HDG	74	nos
185	HEX HD BN M12 X 180 MS HDG	192	nos
186	HEX HD BN M12 X 190 MS HDG	8	nos
187	HEX HD BN M12 X 200 MS HDG	19	nos
188	HEX HD BN M12 X 280 MS HDG	10	nos
189	HEX HD BN M12 X 300 MS HDG	2	nos
190	HEX HD BN M16 X 50 MS HDG	8	nos
191	HEX HD BN M20 X 65 MS HDG	33	nos
192	HEX NUT M10-1.5 MS HDG	4	nos
193	HEX NUT M20-2.5 MS HDG	39	nos
194	HINGE HOOK 01-2041-1	4	nos
195	NAIL SW 10GAX3.1/2 SS304	327	nos
196	NAIL SW 11GAX3.0 SS304	3935	nos
197	NAIL SW 12GAX2.1/2 SS304	401	nos
198	NAIL SW 13GAX2.0 SS304	3384	nos
199	NAIL SW 14GAX1.1/2 SS304	174	nos
200	SQUARE NUT M16 LH MS HDG	13	nos
201	SQUARE NUT M16 RH MS HDG	13	nos
202	SQUARE NUT M20 LH MS HDG	21	nos
203	U BOLT M10 MS HDG	4	nos
204	WASHER 10ID 25OD 5THK	300	nos
205	WASHER 3ID 20OD 3THK	60	nos
206	WASHER LOCK M10 MS EG	34	nos
207	WASHER LOCK M12 MS EG	22	nos
208	WASHER LOCK M16 MS EG	9	nos
209	WASHER SC M10 MS HDG	1036	nos
210	WASHER SC M12 MS HDG	1922	nos
211	WASHER SC M3 SS304	60	nos
212	WASHER SC M6 MS EG	86	nos
213	NAIL SW 3.4/3.6MMX65 SS304	576	nos.
214	WASHER 3ID 20OD 3THK	576	nos.
215	WASHER SC M3 SS304	576	nos

216. Spiral Target Nozzle	- 450 nos.
217. 30HP Electric Motor (Motor, 30 HP, Sq. cage Induction Motor, 3 Ph, 415 V, TEFC, suitable for Star -Delta starter connection & Non-FLP.)	- 2 set
218. Mechanical Equipment Support	- 1 No.
219. Drive Shaft	- 2 No.
220. Fan Assembly	- 2 Nos.
221. Fan Cylinder with Guard	- 2 nos.
222. FC Valve	- 2 Nos.
223. Oil line assembly	- 2 nos.

FRP Casing & Louver - 30 %

HDG Hardware - 100%

Fill Block- 100% with SS Grid & PVC V2 Bar

Eliminator - 100% with timber/ply

Materials required for CT MODEL 457-202 Sl. 80-2-0211:

Sl.No.	Description	Quantity	Unit of measurement
1	1.1/2X3NX1-4 SPLICE BLOCK	16 nos	
2	1.1/2X3X1-6 BLOCK	78 nos	
3	1.1/2X4X11-2.3/8 GIRT	4 nos	
4	1.1/2X4X12-0	15 nos	
5	1.1/2X4X12-0	1 nos	
6	1.1/2X4X1-6 BLOCK	2 nos	
7	1.1/2X4X1-9.5/8 BLOCK	16 nos	
8	1.1/2X4X2-6 GIRT	8 nos	
9	1.1/2X4X5-0	4 nos	
10	1.1/2X4X6-0 GIRT	4 nos	
11	1.1/2X4X6-5 GIRT	4 nos	
12	1.1/2X4X7-0 GIRT	8 nos	
13	1.1/2X4X8-10.7/8 GIRT	32 nos	
14	1.1/2X5NX1-4 BLOCK	8 nos	
15	1.1/2X6X11-11.7/8 GIRT	8 nos	
16	1.1/2X6X12-0 T N G	46 nos	
17	1.1/2X6X4-0	1 nos	
18	1.1/2X6X8-2.5/8 GIRT	4 nos	
19	1.1/2X8X6-9.5/8 PLANK	6 nos	
20	1.1/2X8X7-11.3/8 PLANK	9 nos	
21	1.1/8NX1.3/4NX3-11.1/2 BAR	346 nos	
22	1.15/16NX2X8-0 DIAGONAL P8-4192-18.	16 nos	
23	1X1.1/2X8-0	25 nos	
24	1X3X8-0	13 nos	
25	1X6X1-7.3/4	98 nos	
26	20NX64NX1016 SEAL STRIP	4 nos	

27	2X12X7-11.3/8 GIRT	8 nos
28	2X2.5/8NX7-11.3/4 ELIM	82 nos
29	2X3X5-3 GIRT	4 nos
30	2X3X8-0	2 nos
31	2X3X9-0 PLANK	8 nos
32	2X4.3/4NX1-0	2 nos
33	2X4X11-11.7/8 GIRT	18 nos
34	2X4X2-0 SPL	2 nos
35	2X4X8-0	16 nos
36	2X4X8-0 GIRT	8 nos
37	2X4X8-2.5/8 GIRT	8 nos
38	2X4X8-7.1/4 GIRT	33 nos
39	2X6X8-7.1/2 GIRT	33 nos
40	3/8X1.7/8NX3-11.1/2	264 nos
41	3/8X3X6-0 ELIM BLADE	1660 nos
42	3X3X11.1/8 BLOCK	18 nos
43	3X3X1-11.7/8 BLOCK	8 nos
44	3X3X2-0 BLOCK	4 nos
45	3X3X2-5.1/2 BLOCK	8 nos
46	3X3X4-8.1/2 COL	18 nos
47	3X3X4-8.7/16 COL	8 nos
48	3X3X5-0 COL	5 nos
49	3X3X5-11.3/16 COL	18 nos
50	3X3X6-11.5/16 COL	4 nos
51	3X3X7 BLOCK	10 nos
52	3X3X7-0	8 nos
53	3X3X8-0.7/16 COL	4 nos
54	3X3X9-6 COL	18 nos
55	3X3X9-6.1/2 COL	19 nos
56	3X4X1-6 BLOCK	1 nos
57	3X4X5-2.1/4 COL	2 nos
58	3X4X9-8.1/2 COL	2 nos
59	3X6X8-0	17 nos
60	ADHESIVE - HOLDTITE 50 GM	2 nos
61	BASE CSTG 0-4153-001 CI HDG	8 nos
62	BASE CSTG 0-4154-001 CI HDG	14 nos
63	BRACKET SUPT 0-3369-19 MS HDG	2 nos
64	BRACKET SUPT 0-3369-4 MS HDG	16 nos
65	BRACKET SUPT 0-3369-5 MS HDG	8 nos
66	CORNER ROLL 3X100X200 LG8-0 GRP	8 nos
67	CORR SHT 2X1050X1270 GRP	8 nos
68	CORR SHT 2X1050X1981 GRP	4 nos
69	CORR SHT 1050X2441 GRP	2 nos
70	DIPSTICK ASSY 0-2322-1 SS304 H/W	2 nos
71	DRIVE SHAFT GUARD MS HDG	8 nos
72	ELBOW 25NB 45D BSP GI	2 nos
73	ELBOW 25NB 90D BSP MED HDG	2 nos
74	ELIMINATOR FRAME ASSY	16 nos
75	ELIMINATOR FRAME ASSY	2 nos
76	ELIMINATOR FRAME ASSY	2 nos
77	ELIMINATOR FRAME ASSY	16 nos

78	END WALL SUPT ASSY	TIMBER	4 nos
79	FAN CYL SEG	PLY EPG	10 nos
80	FAN GUARD	144IN MS HDG	2 nos
81	FCV ASSY	8IN CI	2 nos
82	FLAT	3X 25X 219 2-2174-4 MS HDG	2 nos
83	GRID	16GA 10-4016-1 SS304L	98 nos
84	SPLASH V2-BAR	1207MM 97-3055-1 PVC	16700 nos
85	BENCH TIE	00-3043-3 PP	50100 nos
86	S. T. NOZZLE	68-3738-060	450 nos
87	D/S 6Q CLI	1565 GB1.3/8 MB48	1 no
88	FAN ASSY	144IN	2 nos.
89	GRDR	22.2T 4.56:1	1 nos
90	MTR FTM	30.00HP	1 no
91	GSKT	70-1664-3 RUBBER	6 nos
92	HINGE STRAP	01-2044-1 30-GL-PP	4 nos
93	HOSE	1INX18.1/2IN SS304	2 nos
94	LADDER ASSY	TIMBER	1 nos
95	LADDER ASSY	TIMBER	1 nos
96	LATCH ASSY	2-2174-1 MS	2 nos
97	LOUVER	1206X 525X 2 GRP	70 nos
98	LOUVER ASSY		14 nos
99	LOUVER ASSY		2 nos
100	LOUVER ASSY		2 nos
101	MASTIC - UNIMASTIC	GRADE-C	15 kg
102	NAME PLATE	AL ALLOY	1 nos
103	O RING KIT	P7-225-36X2NOS	2 set
104	OIL - VG-100/SAE-30		26 ltr
105	PAINT - PRIMER	RED LEAD	0.1 ltr
106	PIPE SUPT ASSY	200NB MS HDG	1 No.
107	PIPE	25NB X 457 MED BSPTBE GI	2 nos
108	PIPE	25NB X 1499 MED BSPTBE GI	2 nos
109	PIPE NIPPLE	25NBX152 MED BSPTBE GI	2 nos
110	PIPE NIPPLE	25NBX63 MED BSPTBE GI	2 nos
111	PLY	9MMX11.15/16X45.1/4	16 nos
112	PLY	9MMX14.0X60.0	2 nos
113	PLY	9MMX20.1/4X72.0	1 nos
114	PLY	9MMX23.3/4X46.3/4	1 nos
115	PLY	9MMX3.1/2X78.9/16	64 nos
116	PLY	9MMX3.1/2X79.15/16	64 nos
117	PLY	9MMX43.0X72.0	1 nos
118	PLY	9MMX48.0X48.0	1 nos
119	PLY	9MMX48.0X72.0	1 nos
120	PLY	9MMX48.0X91.0	2 nos
121	PLY	12MMX2.7/8X2.7/8	8 nos
122	PLY	16MMX13.5/8X48.0	8 nos
123	PLY	16MMX48.0X77.3/4	16 nos
124	PLY	25MMX1.1/2X36.0	48 nos
125	PLY	25MMX1.1/2X48.0	48 nos
126	PLY	25MMX11.5/8X13.0	2 nos
127	SEALER - UNI-O-STRIP		10 kg
128	SHEAR RING	1.7/8 IN	77 nos

129	SHIM SET SS304	2 nos
130	SPLASH BOX ASSY 0-3289-1 TIMBER	4 nos
131	SPLASH BOX COVER ASSY 0-3289-2	4 nos
132	STAPLE - 1 1/4 X 0.095 DIA/2 LEG SS304	618 nos
133	TAPE - TEFLON 12MM WIDE X 3M ROLL	4 nos
134	TEE 10X8X8IN CI 52-498-1 M	2 nos
135	TEE 25NB BSP GI	2 nos
136	TEE SUPT ISNT 97-3011-03	4 nos
137	TIE ROD 16X2060 MS HDG	8 nos
138	TIE ROD 20X2060 MS HDG	8 nos
139	UNION 25NB BSP FML MEDIUM GI	2 nos
140	WIRE 16 GA 1-4 LEN SS304L	164 nos
141	COACH SCREW M10 X 50 MS HDG	5 nos
142	COACH SCREW M10 X 65 MS HDG	32 nos
143	COACH SCREW M10 X 125 MS HDG	198 nos
144	HEX HD BN M 6 X 50 MS HDG	42 nos
145	HEX HD BN M10 X 25 MS HDG	4 nos
146	HEX HD BN M10 X 40 MS HDG	34 nos
147	HEX HD BN M10 X 75 MS HDG	2 nos
148	HEX HD BN M10 X 80 MS HDG	97 nos
149	HEX HD BN M10 X 100 MS HDG	103 nos
150	HEX HD BN M10 X 120 MS HDG	55 nos
151	HEX HD BN M10 X 130 MS HDG	17 nos
152	HEX HD BN M10 X 190 MS HDG	10 nos
153	HEX HD BN M12 X 40 MS HDG	21 nos
154	HEX HD BN M12 X 65 MS HDG	8 nos
155	HEX HD BN M12 X 90 MS HDG	58 nos
156	HEX HD BN M12 X 100 MS HDG	99 nos
157	HEX HD BN M12 X 120 MS HDG	18 nos
158	HEX HD BN M12 X 130 MS HDG	210 nos
159	HEX HD BN M12 X 140 MS HDG	13 nos
160	HEX HD BN M12 X 150 MS HDG	233 nos
161	HEX HD BN M12 X 165 MS HDG	58 nos
162	HEX HD BN M12 X 180 MS HDG	165 nos
163	HEX HD BN M12 X 200 MS HDG	10 nos
164	HEX HD BN M12 X 240 MS HDG	10 nos
165	HEX HD BN M12 X 300 MS HDG	2 nos
166	HEX HD BN M16 X 40 MS HDG	9 nos
167	HEX HD BN M16 X 50 MS HDG	8 nos
168	HEX HD BN M20 X 65 MS HDG	34 nos
169	HEX NUT M10-1.5 IS1364 MS HDG	5 nos
170	HEX NUT M20-2.5 IS1364 MS HDG	9 nos
171	HINGE HOOK 01-2041-1 30-GL-PP	4 nos
172	NAIL SW 10GAX3.1/2 SS304	309 nos
173	NAIL SW 11GAX3.0 SS304	2155 nos
174	NAIL SW 12GAX2.1/2 SS304	408 nos
175	NAIL SW 13GAX2.0 SS304	1854 nos
176	NAIL SW 14GAX1.1/2 SS304	92 nos
177	SQUARE NUT M16 LH MS HDG	9 nos
178	SQUARE NUT M16 RH MS HDG	9 nos
179	SQUARE NUT M20 LH MS HDG	9 nos

180	U BOLT M10 MS HDG	4 nos
181	WASHER 10ID 25OD 5THK	212 nos
182	WASHER 3ID 20OD 3THK	50 nos
183	WASHER LOCK M10 MS	35 nos
184	WASHER LOCK M12 MS	22 nos
185	WASHER LOCK M16 MS	9 nos
186	WASHER SC M10 MS HDG	894 nos
187	WASHER SC M12 MS HDG	1681 nos
188	WASHER SC M3 SS304	50 nos
189	WASHER SC M6	86 nos
190	NAIL SW 3.4/3.6MMX65 SS304	508 nos
191	WASHER 3ID 20OD 3THK	508 nos
192	WASHER SC M3 SS304	508 nos
193	Spiral Target Nozzle	450 nos.
194	Reduction Gearbox	1 No.
195	30HP Electric Motor (Motor, 30 HP, Sq. cage induction MOTOR, 3Ph, 415 V, TEFC, suitable for Star -Delta starter connection & Non-FLP.)	1 No.
196	Mechanical Equipment Support	1 No.
197	Drive Shaft	2 No.
198	Fan Assembly	2 Nos.
199	Fan Cylinder with Guard	2 nos.
200	FC Valve	2 Nos.
201	Oil line assembly	2 nos.

FRP Casing & Louver - 30 %

HDG Hardware - 100%

Fill - 100% with SS Grid & PVC V2 Bar

Eliminator - 100% with timber/ply

INSTALLATION & COMMISSIONING:

01. Labour and Supervision charges for overhauling of 2 cells cooling tower Model No. 472-202 with above replacement materials and salvage materials.

02. Labour and Supervision charges for overhauling of 2 cells cooling tower Model No. 457-202 with above replacement materials and salvage materials.

NOTES ON NIT:

1. Only Douglas Fir timber of grade 2 is to be used at all structural members. The bidder has to submit an undertaking confirming the same. Douglas fir timber is to be inspected and stamped by authentic inspection authority and also atleast 50% of the imported timbers has to be stamped with seal. If it is found that atleast 50% of the Timber supplied is not marked with seal, then the whole lot will be rejected by OIL.

2. Timber components has to be Douglas fir timber of grade 2 which should meet the strength as per IS:883 of the cooling tower & shall be fabricated from good quality pine wood as per IS-2372 and has to be pressure treated with Chromated Copper Arsenate in full cell process as per IS-401 for its longer life and durability, the bidder shall agree to submit documentary evidence along with the supplied items. All the plywood components shall be made from Marine plywood.
3. All wooden structural and load-bearing members - columns, girts, supports, diagonals etc. should be replaced.
4. For the purpose of replacement of the above, only pre-fabricated properly treated timbers must be used.
5. The bidder may visit OIL's LPG Recovery Plant, Duliajan at own cost to understand the requirement before bidding.
6. Original grid configuration should be restored and high-efficiency PVC V2-bar splash type fill should be installed.
7. To support the PVC V-bar splash type fill, use of SS304 grids is recommended to prolong the service life and better support.
8. Existing PVC single wave type eliminator must be replaced by timber /marine grade plywood eliminator as per the original design.
9. To have the optimum air-water contact time inside the tower, the original gear-reduction ratio is to be restored. This is applicable for one gear-reducer, which must be changed -corresponding to the tower model 457-202.
10. The flow-control valves are to be changed, as rust, spindle-damages were observed in all the eight valves (for both the towers).
11. All the fan-assemblies are required to be replaced.
12. The drive-shafts and equipment supports are recommended to be changed.
13. All the timbers supplied by the party directly from factory will be prefabricated and properly treated as per CTI Code STD-112.
14. All steel components like fasteners, bolts, nuts, washers etc. including nails shall be of SS 304 quality.
15. The offer must be accompanied by catalogue showing material specification, dimension, drawing etc. Copy of test certificates for timber components, steel components, FRP & GRP components are to be submitted along with enquiry for our scrutiny. Non-fulfillment of the same may lead to the rejection of the offer.
16. Bidder shall agree to submit material test certificates along with the materials certifying the quality of materials.
17. The servicing of the cooling tower will have to be carried out during the running of the LPG Recovery Plant with the spare cooling tower in running condition. Both the cooling tower has the basins connected together. Isolation of the basin will have to be done by the party. OIL have separate individual water isolation valve in each cooling tower. Necessary help shall be provided by OIL.
18. The supplier will have to carryout the complete dismantling, servicing and commissioning of the existing cooling tower and handover the renewed / serviced tower with new components to the Plant personnel after satisfactory trial performance. OIL shall provide the services of Cranes for removing of the gear boxes and fans, motors and other heavy objects from the tower top and during commissioning of the same only. The supplier will have to give their tentative requirement of cranes at the beginning of the project. OIL shall also

provide suitable lighting arrangement, one water supply point and one electric connection point. However all electrical and other instruments shall have to be brought by the supplier to site. Scaffolding materials are to be arranged by the supplier. OIL shall provide space for storage of materials received at site.

19. The Contractor may be required to work during night time to complete the job within stipulated short time for which required procedures are to be followed. OIL shall provide lighting arrangement for the same.

20. Fixing of the components after dismantling of the unserviceable components and commissioning of the cooling tower shall be carried out by experienced and qualified persons having proven experience. Railing / guard must be provided at top for safety reason.

21. The completion time for the full repair job shall be tight due to our operating constraints and it should be carried out in shortest possible time.

22. After completion of the servicing / repair job, performance run shall be carried out to ascertain revival of the original design efficiency.

23. **Payment term:** 70% payment of supplied materials will be made after receipt of materials and after deducting liquidated damages, if any. (Refer relevant para of Annexure-I).and remaining 30% payment will be made after successful installation and commissioning of the item at OIL's site (LPG Recovery Plant) at Duliajan, Assam.

24. The supplier must fulfill all statutory, legal obligations with respect to the project.

25. Our requirement is urgent, OIL need to carryout the revamping before the start of next summer i.e. within March, 2016 . Hence the party will have to improve upon delivery schedule to suit our operational requirement.

26. The bidder shall quote for all the items, otherwise the bid shall be rejected.

27. The offer shall be in English language only.

BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the "Bid Rejection Criteria" as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/CALCUTTA/E-01/2010 elsewhere, those in the BRC / BEC shall prevail.

BID REJECTION CRITERIA (BRC):

The bids shall conform generally to the specifications and terms as well as conditions laid out in the tender. Bids will be rejected in case the items offered do not conform to the required parameters stipulated in the

technical specifications and to the respective international/national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements will have to be met by the bids, without which, the same shall be considered as non-responsive and stand rejected.

A TECHNICAL:

Notwithstanding the general conformity of the bids to the stipulated specifications and terms & conditions, the following requirement shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected .

(i) Bidder shall provide documentary evidence in terms of (a)work order and (b)job completion certificate from client about experience of having successfully completed "Similar Works" having order value for atleast Rs. 11,10,000.00 during last 3 years as on bid closing date.

"Similar Works" means Supply of materials, installation & Commissioning of Cooling Tower(s) in LPG Plant in Gas processing plant or any Petrochemical industry with PSUs/Central Govt./State Govt./Public Limited company in last 3(three) years from date of bid opening.

(ii)Bidder shall have to quote directly and not through any agent. Offers made by their agents on behalf of their principals/undertaking will be rejected. Similarly, bids received from unsolicited parties shall be rejected.

(iii) Material test certificates shall be required alongwith the supply of materials of cooling tower for which the party has to give an undertaking.

(iv)The offer must be accompanied by catalogue showing material specification, dimension, drawing etc. Copy of test certificates for timber components, steel components, FRP & GRP components are to be submitted along with enquiry for our scrutiny. Non-fulfillment of the same may lead to the rejection of the offer.

(v) The supplier shall agree to provide guarantee/ warrantee of the supplied items for 18 months from the date of delivery or 12 months from the date of installation & commissioning, whichever is earlier.

(vi)The supplier shall quote for all the items specified in this tender. The supplier shall separately indicate the price for:

- (a) Supplied items and
- (b) Installation & commissioning.

B - COMMERCIAL

- i). Bid security amounting to Rs. 37,000.00 can be paid in three modes, viz., Bank Guarantee/ DD/ Online. Bid security in the form of Bank Guarantee as per format given in the LCB booklet MM/CALCUTTA/E-**

01/2010 of Rs 37,000.00 shall be submitted manually in sealed envelope superscribed with BID SECURITY AGAINST Tender no. **SKI P16 dated to Head Calcutta Branch, Oil India Limited, 4 India Exchange Place, Kolkata-700001** only on or before the Bid Closing Date and Time mentioned in the Tender. **If bid security in ORIGINAL of above mentioned amount is not received within bid closing date , the bid submitted through electronic form will be rejected without any further consideration.** In lieu, Bid Security of Rs. 37,000.00 can also be paid online through our e-procurement portal as per procedure given in user manual in OIL's e-procurement portal. For exemption for submission of Bid Security, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. **The Bid Security if submitted in the form of Bank Guarantee shall be valid for 180 days more than the Bid validity, i.e., for 300 days from the date of bid opening.**

- ii). The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- iii). **The annual turnover in any of the last 3 (three) financial years or current financial year should not be less than Rs. 37,00,000.00.**

Note : For proof of Annual Turnover, any one of the following documents /photocopies (self attested/attested) must be submitted along with the bid :-

(a) A certificate issued by a practicing Chartered/ Cost Accountants Firm with membership no. and Firm's registration no certifying the Average Annual Turnover and nature of business.

or

(b) Audited balance sheet and profit & loss account

- iv). Successful bidder will be required to furnish a **Performance Bank Guarantee @10%** of the order value. For exemption for submission of Performance Bank Guarantee, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. The Performance Bank Guarantee must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of despatch whichever is earlier. **Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.**

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

- v). **The Bank Guarantee should be allowed to be encashed at all branches within India.**
- vi). Bids received after the bid closing date and time will be rejected.
- vii). Validity of the bid shall be **minimum 120 days from the Bid Closing Date. Bids with lesser validity will be rejected.**
- viii). Bids containing incorrect statement will be rejected.
- ix). All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be rejected.

2.0 BID EVALUATION CRITERIA (BEC):

A. TECHNICAL:

The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after subjecting to Bid Rejection Criteria (BRC) will be considered for further evaluation as per the Bid Evaluation Criteria given below.

- i) All materials as indicated in the material description of the enquiry should be offered. If any of the items are not offered by the bidders, the offer will not be considered for evaluation.

B. COMMERCIAL:

- a. To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.

- b) To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein:

- (A) Total Material Cost
- (B) Packing and Forwarding Charges
- (C) Total Ex-works value, (A+B) above :
- (D) Excise Duty including Cess
- (E) Sales Tax, (Please indicate applicable rate of Tax)
- (F) Total FOR Despatching station price, (C+D+E) above
- (G) Road Transportation charges to Duliajan
- (H) Insurance Charges @0.5% of Total For Despatching Station Value (F) above
- (I) Assam Entry Tax
- (J) Total FOR Duliajan value, (F+G+H+I) above

- (K) Installation/Commissioning Charges including Service Tax, if any :
- (L) Grand Total value, (J+K)

c. In the event of computational error between the unit price and total price, unit price shall prevail for evaluation.

d. Similarly in the event of discrepancy between the words and figure, words shall prevail and adopted for evaluation.

e. To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

C) GENERAL:

- i) The Compliance statement must be filled up by bidders and to be submitted/uploaded along with their bids. In case bidder takes exception to any clause of the bidding document not covered under BEC/BRC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by Company. The loading so done by the company will be final and binding on the bidders. No deviation will, however, be accepted in the clauses covered under BRC.
- ii) If any of the clauses in the BRC contradicts with other clauses of bidding document elsewhere, then the clauses in the BRC shall prevail.
- iii) Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.
- iv) A bid shall be rejected straightway if it does not conform to any one of the following clauses:**
 - (a) Validity of bid shorter than the validity indicated in the Tender.**
 - (b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.**
 - (c) Bid Security with (i) validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.**
 - (d) Average Annual Turnover of a bidder lower than the average Annual turnover mentioned in the Tender.**

Standard Notes:

- A. The original bid security (Amount is mentioned above and also in Basic Data of the tender in OIL’s e-portal) should reach us before bid**

closing date and time .Bid without original Bid Security will be rejected. In lieu, bidders can also pay the Bid Security amount online through e-procurement portal. The bidders who are exempted from submitting the Bid Bond should attach documentary evidence in the Collaboration folder as per General Terms and conditions for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).

- B. All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) only as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be liable for rejection.**
- C. “General Terms & Conditions” for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).**

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