

Valgineering	SMOF/SQ/0094/20-21 R00	Date: 18.05.2022
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TECHNICAL OFFER	
To Valgineering EPC Pvt. Ltd. F-22, Haware Centurian, Sec-19A, Seawoods, Nerul (E) Navi Mumbai – 400706, Maharashtra, India	
Kind Attn:	Mr. Aafreen A. S
Subject:	Quotation for metering skids
Reference:	The inquiry received via E-mail “RFQ of Skid & engineering services/ Aria Bitumen Plant”

REVISION TABLE					
Rev. No.	Date	Description	Prepared by	Checked by	Reviewed by
00	18.05.2022	Technical Offer	DP	MS	RS



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TECHNICAL OFFER	
1.	Check List
2.	Scope Matrix (Annexure – I)

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INQUIRY CHECKLIST			
Product	Metering Skid With Internals, Spares, and Two Nos of PSV.		
SMOF SCOPE			
Scope		Remarks	
Material	✓		
Fabrication	✓		
Structure	✓		
I&C	X		
DOCUMENTS			
Documents	Received or not received	SMOF Remarks	
SOW	X		
GAD	✓		
BOM	X		
Datasheet	X		
P & ID	X		
PMS	X		
VMS	X		
AVL	X		
QAP/ITP	X		
Painting	X		
Notes: We have received documents as per the above checklist, except above mentioned received documents if any other documents will be added afterward will change quoted rates.			

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SCOPE MATRIX (Annexure – I)			
Sr. No.	Description	Scope	
		Valgineering	SMOF
Design and Engineering			
01	Supply of Metering Skid		✓
02	Fabrication of Metering Skid as pre-attached specs		✓
03	Design of Metering skid	✓	
Piping			
04	Supply of Metering Skid material		✓
05	Fabrication of Metering Skid Nozzle		✓
06	Blasting and painting of Metering Skid		✓
07	Supply of Testing Blinds and hydro-testing gasket		✓
08	Supply of insulating gasket (if required)	NA	NA
09	Supply and fabrication of RF pad		✓
Structure			
10	Supply and fabrication of structure (IS 2062)		✓
11	Supply of Tag Plates for pipes	NA	NA
12	Supply of Junction box stands, instrument supports, etc	NA	NA
13	Supply of earthing bosses (SS) and lifting lugs. (IS 2062)		✓
Testing			
14	RT, UT, PT, MPI & other non-destructive examinations of welds. (If required by standards/codes)		✓
15	Charpy Test	NA	NA
16	Hydrostatic test.		✓
17	System leak test.		✓
18	PMI Testing (if applicable as per code)	NA	NA

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19	Calibration of equipment	NA	NA
20	Calibration wet test and additional equipment required for wet calibration test	NA	NA
21	Material Certification EN 10204 3.1 for pressure parts		✓
22	TPI	✓	
23	Factory acceptance test		✓
Documentation			
24	Standard WPS/PQR		✓
25	Inspection report		✓
26	Calibration reports	NA	NA
27	SAT documentation (as per provided list)	NA	NA
28	Inspection test plan or Quality control plan	✓	✓
29	Document dossier	✓	✓
General			
30	PWHT (if applicable as per code)	NA	NA
31	Packing (Plastic Wrapping)		✓
32	Sea-worthy packing	NA	NA
33	Insulation	✓	NA
34	Any kind of civil work	✓	
35	Painting		✓

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SPECIAL NOTES (ANNEXURE-II)**SCOPE OF WORK**

- Supply of Metering Skid

Sr No	Description	Material	Qty in No./Lot
01	Skid for Bitumen	CS – 4" Line	2
02	Skid for White Oil	CS – 4" Line	2
03	Skid for Black Oil	CS – 4" Line	2

QA-QC DOCUMENT DOSSIER

1. Procedure for Handling of Welding Consumables
2. Procedure for Materials traceability & Identification
3. Procedure for Material Handling
4. WPS & PQR
5. Procedure for Welder Qualification Test
6. Procedure for Weld repairs
7. NDT Procedures (UT, MPT, DPT)
10. Procedure for Hydro Test
11. Procedure for Pneumatic Test
12. Inspection & Test Plans

PAINTING**As per Specifications****STRUCTURE**

- Structure material IS 2062 Gr. B
- Structure makes: SAIL, Vizag, Essar, OR Equivalent Indian Make

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PRICE SCHEDULE (ANNEXURE-IV)				
Sr No	Description	Unit Rate	Qty	Total Rate
01	Skid for Bitumen	2,70,000 /-	2	5,40,000/-
02	Skid for White Oil	2,70,000 /-	2	5,40,000/-
03	Skid for Black Oil	2,70,000 /-	2	5,40,000/-

TERMS & CONDITIONS	
Offer Validity:	
15 days from submission. - The quoted prices will remain firm for 15 days after the date of submission	
Payments Terms:	
10% Against LOA (No ABG Applicable) 30% Against the submission of unpriced PO (Flanges, Pipes) 60% Against the successful completion of FAT prior to dispatch	
Taxes and Duties:	
GST to be considered as actual at the time of invoicing.	
Cancellation Charges Per Skid and GTC	
- Within 0-4 weeks from the date of PO – Actual amount of completion or 1,00,000 INR (whichever is higher) - Within 4-6 weeks from the date of PO – Actual amount of completion including 1,00,000 INR + Procurement charges. (If this charge is higher than the total order value then the client to compensate the total order value to SMOF. - After 6 weeks total PO Value to accommodate the charges of the project. - ABG / PBG, and LD Will not be applicable for this work - Process guarantee will be in the scope of the client.	
Price Basis:	
- All Prices are quoted in Indian Rupees (INR) net, Ex-works Chhatral, Gujarat, India. <i>Note: freight and transit insurance are in the customer's scope.</i>	
Delivery:	
16-18 Weeks (Ex Works)	

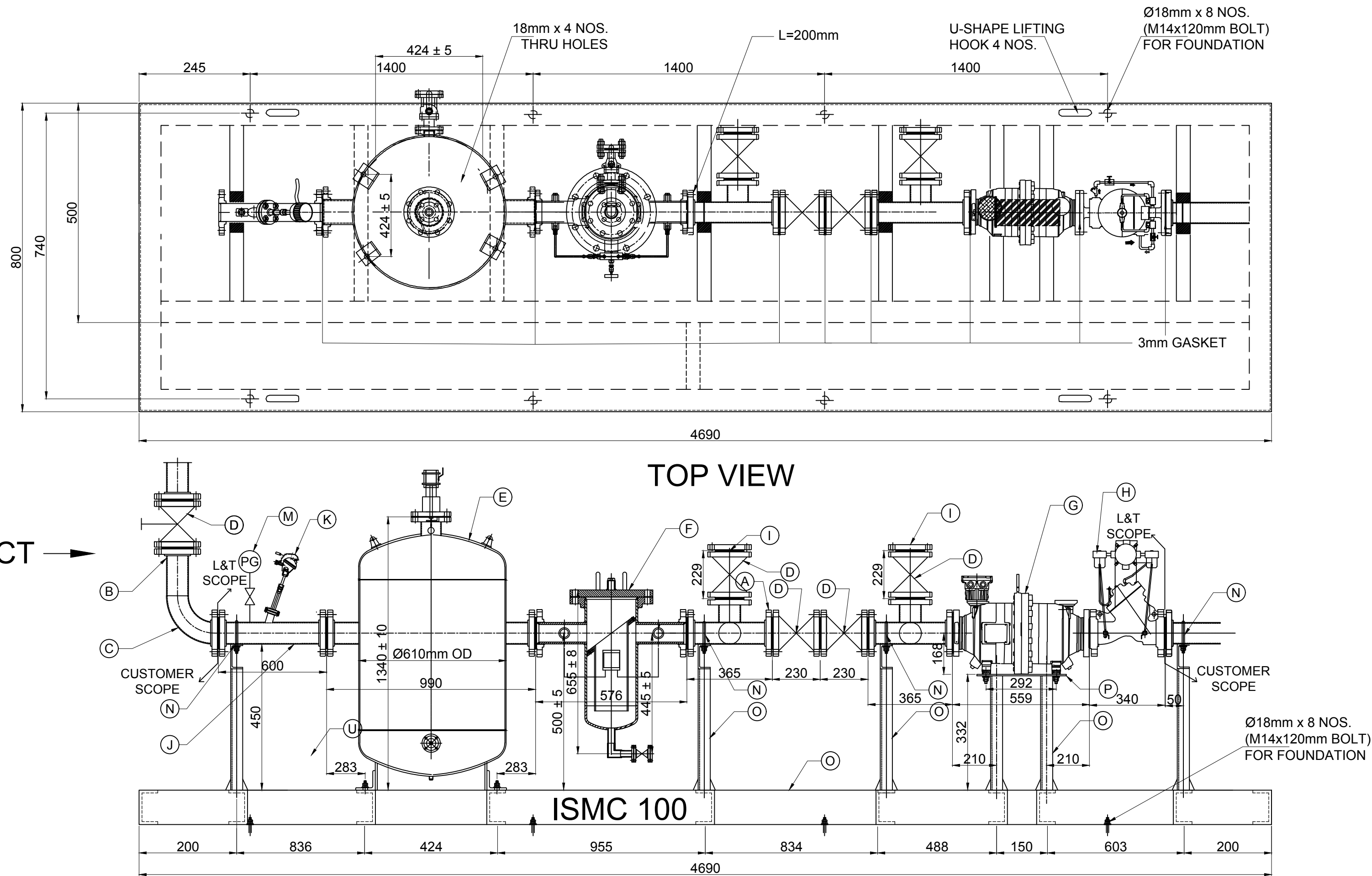
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Annexure – A

Bill of Material (1 No of Skid)										
Sr No	Material	UNIT	SIZE 1	SIZE 2	Sch	THK	Class	MOC	UNIT	QTY
1	PIPE	INCH	4	-	40	-	-	SEAMLESS, CS, ASTM A106 GR B	M	2
2	FLG	INCH	4	-	40	-	150	CS, ASTM A105, TO ASME B16.5, RF SORF	NOS	8
3	FLG	INCH	2	-	80	-	-	CS, ASTM A105, TO ASME B16.5, RF SORF	NOS	1
4	BLIND FLG	INCH	4	-	-	-	150	CS, ASTM A105, TO ASME B16.5, RF	NOS	2
7	TEE	INCH	4	4	40	-	-	BUTT WELDED, ASME B16.9, C.S, ASTM A234 WPB	NOS	2
	Weldolet	INCH	4	3 / 4"			1500	BUTT WELDED, ASME B16.9, C.S,	NOS	2
8	PLATE	MM	330	150		10	-	CS	NOS	1
9	ISMC	MM	100	-	-	-	-	CS	M	22
10	U CLAMP	INCH	4	-	-	-	-	CS	NOS	3
11	GASKET	INCH	4	-	-	-	150	SS 316L SPIRAL WOUND GASKET WITH FLEXIBLE, GRAPHITE Filler, CS CENTER RING & INNER RING TO ASME B16.20 FOR RF FLANGES	NOS	14
12	GASKET	INCH	2	-	-	-	150	SS 316L SPIRAL WOUND GASKET WITH FLEXIBLE, GRAPHITE Filler, CS CENTER RING & INNER RING TO ASME B16.20 FOR RF FLANGES	NOS	2
13	BOLTS WITH 2 NUTS	INCH	5/8"	90MM	-	-		STUD BOLTS, ALLOY STEEL ASTM A 193 B7/ NUTS TO A 194 2H	NOS	112
14	BOLTS WITH 2 NUTS	INCH	5/8"	85MM	-	-		STUD BOLTS, ALLOY STEEL ASTM A 193 B7/ NUTS TO A 194 2H	NOS	8
15	U-SHAPE LIFTING HOOK	-	-	-	-	-	-	CS	NOS	4
16	FOUNDATION BOLT	-	M14	120MM	-	-	-	CS	NOS	8
Notes										
All the Items except the above listed in Bill of Material will be FIM by client										
Above rates are valid if client will agree the handling charges of FIM material as per Price Sheet										
E & I Works Not in bidder scope										
All FIM to be made available at S. Mark's works by Client within the timeframe.										
Client to make sure that the FIM material matches the skid dimensions.										
Increase in Inch dia. or structure weight i.e. increase in quantity revise final amount as per quoted unit rate.										
Any discrepancy in Free issue material (FIM) shall be Client responsibility to rectify. Any extra resource utilization/ Idle resource shall be liable for price impact.										
Any change in material specification or quantity may revise final amount as per quoted rate.										
Any kind of civil foundation work, installation and commissioning are not considered as a part of scope.										
Storage charges after FAT INR 25,000/week/Skid will be extra.										
Third-Party Inspection will be in Client scope.										
Honing Not consider as a part of scope										
Delivery : 16-18 Weeks subjected to receipt of fabrication dwg and FIM, whichever is later (Ex Works (S. Mark premises))										

AND MUST NOT BE COPIED OR LENT WITHOUT
THEIR PERMISSION IN WRITING

MAIN PRODUCT →



J	SPOOL PIECE (RTD + PG)	4"X150#	CS	****	1
I	BLIND FLANGE	4"X150#	CS	****	2
H	DCV		AS PER T. SPECS	****	2
G	P.D.METER		AS PER T. SPECS	****	1
F	STRAINER		AS PER T. SPECS	****	2
E	AIR ELIMINATOR		AS PER T. SPECS	****	2
D	ISOLATION VALVE (CUSTOMER SCOPE)	4"X150#	AS PER T. SPECS	****	5
C	90° ELBOW (CUSTOMER SCOPE)	4"	CS	****	1
B	SCH 40 PIPE	4"	CS	****	2MTR
A	SORF FLANGES	4"X150#	CS	****	6
SR.NO	DESCRIPTION	SIZE/SPEC.	MATERIAL	MAKE	QTY

P	10 X 150 X 330mm PLATE		MS	****	1 PIECE
O	ISMC 100		MS	****	21534mm
N	U. CLAMP		CS	****	4
M	PRESSURE GUAGE		AS PER T. SPECS	****	2
L	T.R.V.		AS PER T. SPECS	****	2
K	R.T.D.		AS PER T. SPECS	****	2
SR.NO	DESCRIPTION	SIZE/SPEC.	MATERIAL	MAKE	QTY