

### نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض







### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

**NISOC** 

MECHANICAL DATA SHEETS FOR FUEL GAS K.O. DRUM

شماره پیمان:
شماره پیمان: ۹۱۸۴ – ۰۷۳ – ۰۵۳

پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
BK	GCS	PEDCO	120	ME	DT	0013	D02

شماره صفحه: ۱ از ۸

## طرح نگهداشت و افزایش تولید ۲۷ مخزن

### MECHANICAL DATA SHEETS FOR FUEL GAS K.O. DRUM

### نگهداشت و افزایش تولید میدان نفتی بینک

D02	JUN.2023	IFA	H.Adineh	M.Fakharian	A.M.Mohseni	
D01	SEP. 2022	IFA	H.Adineh	M.Fakharian	M.Mehrshad	
D00	NOV.2021	IFC	H.Adineh	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
Class: 1		CLIENT Doc. Number:	F0Z-708844		_	

status: IDC: Inter-Discipline Check

IFC: Issued For Comment

AFD: Approved For Design

AFC: Approved For Construction
AFP: Approved For Purchase
AFQ: Approved For Quotation
IFI: Issued For Information

AB-R: As-Built for CLIENT Review

AB-A: As-Built -Approved



• DT - • YT - 91AF

شماره پیمان:

پروژه

BK

### نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

### MECHANICAL DATA SHEETS FOR FUEL GAS K.O. DRUM

تسهيلات صادر كننده بسته كارى رشته نوع مدرک سريال نسخه GCS PEDCO 120 DT ME 0013 D02



شماره صفحه: ۲ از ۸

					VISION RE	COR	RD SHEET					
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### نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض





شماره صفحه: ۳ از ۸

### NISOC

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### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

		MEC	HANICAL D	AIA SHE	=15 FUR	FUEL GAS I	C.O. DRUM	
شماره پیمان	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه
	BK	GCS	DEDCO	120	ME	DT	0013	D03

ME DT 0013 D02

### **General Notes**

### Rev

- 1. The Asterisk \* denotes information and/or confirmation required from VENDOR.
- 2. Deleted
- 3. VENDOR shall include for the services of a independent verification body for mechanical design, stage inspection, testing and stamping of the equipment (if possible).
- 4. Painting and coating (internal & external) shall be as per project 'Specification for Painting', Doc. No. BK-GNRAL-PEDCO-000-PI-SP-0006.
- 5. Flanges shall comply with ASME B16.5. Nozzle bolt holes shall straddle the natural centrelines for horizontal nozzles. VENDOR to confirm maximum allowable nozzle loads and moments (RF: Raised Face, WN: Welding Neck)
- 6. All reinforcement pads shall have 1/4" (6mm) tell-tale hole and 1/8" (3mm) vent hole as per Standard Detail Drawing For Pressure Vessels and Heat Exchangers', Doc. No. BK-GNRAL-PEDCO-000-ME-DW-0001".
- 7. Manways shall be supplied complete with blind flange, external grab handles, internal grab handle and ladder rungs, nuts, bolting, gasket and proof load test davits. Davits shall be proof load tested on the vessels to 1.5 x Safe Working Load (SWL) and shall be marked accordingly.
- 8. All external bolts and nuts shall be hot dip galvanized. Internal bolts and nuts shall be stainless steel.
- 9. Loads at support base, Shall be calculated and determined by vendor.
- 10. Access Ladder & Platform to be considered .
- 11. Deleted
- 12. All material, corrosion allowance and their suitability for the process fluid at design pressure and temperature to be confirmed by vendor.
- 13. Deleted
- 14. All nozzle locations and orientations to be finalized later.
- 15. Instrumentation items are excluded from vendor's scope of supply.
- 16. Any changes in material of construction, location & orientation of the nozzles shall be confirmed by client.
- 17. All materials shall be new and unused.
- 18. Fabrication tolerances for vessel shall be in accordance with requirement of ASME code.
- 19. Location and number of lifting lugs on vessels shall be specificed on VENDOR drawing.
- 20. All items shall be clearly match marked against vessel drawings to facilitate erection.
- 21. Deleted
- 22. Vendor shall supply details of all welding connections and give general specification of used materials.
- 23. For equipment requiring PWHT, final inspection and acceptance by the CLIENT or its nominated representative shall only be undertaken against NDE after PWHT. All weldings shall be made before vessel heat treatment (if any).
- 24. Equipment packaging, preparation for shipment and delivery shall be in accordance with the project Packing, Marking, Transportation Procedure Doc. No. "BK-GNRAL-PEDCO-000-QC-PR-0045".
- 25. Specified accessories and attachments shall be supplied by vendor.
- 26. Gasket shall be spiral wound type, graphite filled with inner ring and outer ring S.S.316
- 27. Deleted
- 28. Deleted
- 29. Two M12 earthing lugs shall be provided on vessel support. Material of Earthing lugs shall be S.S. 316



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### نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک





شماره پیمان: ۹۱۸۴ – ۷۷۰ – ۰۸۳

	MEC	HANICAL D	AIA SHE	15 FOR	FUEL GAS I	K.O. DRUM	
پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدر ک	سريال	
BK	GCS	PEDCO	120	ME	DT	0013	

شماره صفحه: ۴ از ۸

### General Notes (Cont'd)



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- 30. For standard detail of Earth lug execution refer to the Project "Standard Detail Drawing For Pressure Vessels and Heat Exchangers Doc. No. BK-GNRAL-PEDCO-000-ME-DW-0001". Projection of Horizontal & Vertical nozzles is from tengent line and centerline respectively.
- 31. Elliptical heads shall be Ultrasonic Tested for LAMINATION after forming.
- 32. The projection of equipment's nozzles should be considered as per 'Standard Detail Drawing For Pressure Vessels and Heat Exchangers', Doc. No. BK-GNRAL-PEDCO-000-ME-DW-0001".
- 33. The elevation of equipment's nozzels should be specified as follows:
  - I. For vertical vessels : from bottom T.L.
  - II. For horizontal vessels: from Left T.L.
- Nozzles and flanges shall be suitably supported and reinforced based on nozzle loads provided in project Specification for Pressure Vessels, Document No. BK-GNRAL-PEDCO-000-ME-SP-0001.
- 35. Prior to sealing the vessel for shipping and storage, the inside surface of the equipment shall be 100% visually inspected. Internal surfaces shall be clean and thoroughly dried. The CLIENT or its nominated representative shall witness the cleanliness of internal surfaces. Flange faces shall be protected by wooden or plastic dummy flanges.
- 36. Minimum requirement for pre-commissioning, commissioning, start up and two years operation shall be in accordance with document 

  E&C-QC-SP-1.

  E
- 37 Lifting Lugs / trunnions shall be provided to facilitate a single point lift. If a single point lift cannot be achieved without the use of a lifting beam, then VENDOR shall provide a suitable, certified, lifting beam.
- 38. Design pressure specified is at top of vessels. VENDOR design shell include static head for vessels flooded with specific gravity of the handled liquid.
- 39. VENDOR is to maximize shop fabrication based on the following transportation limits:  ${\bf P}$ 
  - Maximum weight: 96 tonnes
  - Maximum load per axle: 12 tonnes
  - Maximum length: 50.0 m
  - Maximum width: 5.0 m
  - Maximum height: 5.2 m

For items with dimensions and weights greater than the road capacity specified above, VENDOR may be required to split the package into several components.

- 40. All external attachments directly welded to the pressure part shall be the same material as vessel grade.
- 41. Thickness indicated on this DWG are minimum. Vendor shall check and guarantee them on strength as per code and specification.
- 42. All dimensions shown are in mm unless otherwise indicated. All nozzle sizes are in inch.
- 43. Deleted
- 44. DEMISTER specification will be finilized latter.
- The material shall be in compliance with NACE MR0175/ISO15156 and Specification For Material Requirements in Sour service Document No. BK-GNRAL-PEDCO-000-PI-SP-0008.
- 46. Welded carbon and carbon manganess steels for vessel shall comply with the following:

Carbon content shall not exceed 0.23%.

Based on the ladel analysis, below equation shall be satisfied.

Ceq. = C+MN/6+(Cr+Mo+V)/5+(Cu+Ni)/15 < 0.42 %

- 47. All carbon steel material shall be fully killed, fine grain treated and supplied in the normalized condition.
- 48. The Vendor shall be fully responsible for the complete mechanical design, preparing calculation book and supply of the vessel.
- D02 49. VENDOR to advise (VTA) internal for inlet nozzle.



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### نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک







شماره صفحه: ۵ از ۸

		Mechanical Data Sheets For Fuel Ga	s K.O. Drum (V-2205) / sheet 1 of 4					
,		DATA S	HFFT					
1	Description : Fuel G	as K.O. Drum	11221					
2	Tag No. : <i>V-2203</i>		Quantity : 1 Set					
3		re Vessel	Quantity . 1 Set					
4	Type . Tressu		Design Data					
5	Contents		Corrosive / Erosive CO2, H2S					
	Operating Temp. (°C)	18.88 -36.78	Liquid Flow (kg/h)	002,1120				
	Operating Press. (barg)	4.9	Vap. Molec. Weight (kg/kmol)					
	Gas Flow (kg/h)		Liquid Sp. Gravity	0.005771				
	Liquid Viscosity (cP)		Service:	Sour Service				
10	Elquid Viscosity (61 )	Mechanical	Design Data	Sour Service				
	Design Temp. (°C)	85	Vessel Orientation	Vertical				
	Design Press. (barg)	9		nm) 1100				
	Test Press. (barg)	Per Code & Specification	`	m³)				
	Internal Vacuum (barg)	F.V.		nm) <i>N/A</i>				
	In. Dia. of Shell (mm)	438		nm) <i>N/A</i>				
	Tan/Tan Dim. (mm)	2950	Boot Head Type	N/A				
	Vessel Head Type	2:1 elliptical + flange		nm) 6				
10	Shell Wall Thk. (mm)	* (See DWG)	Joint Efficiency	0.85 (Shell) / 1 (Head)				
10	Head Wall Thk. (mm)	* (After Forming)		(°C)				
	Seismic Design	Site Class: D, Code: ASCE 7-10		(°C) 3.24				
		Speed: 120 Km/hr (Max.), Code: ASCE 7-10	Insulation Required	No				
22	wind Design		erials	INO				
	Cada	ASME II / ASTM	Nozzle Necks:					
	Code Shell			A 106 Gr.B N				
1 L		A 106 Gr B (18" Pipe, Sch. STD)  A 516 Gr. 60 N	Pipes					
	Heads	A 310 Gr. 00 N	Plates	A 516 Gr.60 N				
26	Lining / Cladding	A 516 C 60 M / A 202 C C	Forgings	A 105 N				
27	Leg / Pad	A 516 Gr.60 N/A 283 Gr. C	Flanges	A 105 N				
	Platform Gratings	Hot Dip Galvanized C.S.	Fittings	A 234 Gr. WPB				
	Gaskets	Note 26	External Bolts	A 193 Gr. B7				
30	Lifting Lugs	A 516 Gr.60 N/A 283 Gr. C	External Nuts	A 194 Gr. 2H				
	Reinforcing Pads	A 516 Gr.60 N	Internal (Removable)	S.S. 316				
	Ladder & Platform	C.S.	Internal (Fixed)	A 516 Gr.60 N				
	Name Plate	S.S. 316						
34		DESERVACE OTAND	ADDO O DOCUMENTO					
35		REFERENCE STAND	ARDS & DOCUMENTS					
	Mechanical Design Code			Div 1, IPS-G-ME-150				
	Specification for Pressure Ve	essels	<u> </u>	CO-000-ME-SP-0001				
	Process Basis of Design			CO-000-PR-DB-0001				
39	Piping & Instrument Diagram	n (P&ID)		O-120-PR-PI-0022				
40	Specification for Painting			OCO-000-PI-SP-0006				
41	Specification for Insulation			OCO-000-PI-SP-0019				
	Specification For Material Re	equirements in Sour service	BK-GNRAL-PEDCO-	000-PI-SP-0008 (Note 45)				
43								
44			ection Requirements					
45	Inspection Authority	TPI & Client						
		In Accordance with BS EN 10204:2004, T						
1 1	,	Water	Hydro Test Procedure	Yes; Per Code & Spec. Requirements				
48		Yes, Process Reason	PT	100%				
49	MT	100 % on Lifting Lug Fillet Welds	UT	Yes; Per Code & Spec. Requirements				
50	RT	Spot % On T-Joints and Head Joints						
52			Fabricated Nozzle Neck Longitudina					
53	RT Report	Yes; Per Code & Spec. Requir.	PT Report	Yes; Per Code & Spec. Requirements				
54	MT Report	Yes; Per Code & Spec. Requir.	UT Report	Yes; Per Code & Spec. Requirements				
55	Fabrication Quality Control I			Yes				
56	Welding Procedure Review	/ Approval		Yes				
57	Surface Preparation & Coati		Specification for Painting Doc. No. "BK	T-GNRAL-PEDCO-000-PI-SP-0006"				
58	Sunace Freparation & Coatt	ing	Specification for Lining Doc. No: "BK-	GNRAL-PEDCO-000-PI-SP-0007"				
59								
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61								
61 62								



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### نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

### MECHANICAL DATA SHEETS FOR FUEL GAS K.O. DRUM

نسخه سریال نوع مدر ک رشته تسهیلات صادر کننده بسته کاری پروژه شماره پیمان:
| BK GCS PEDCO 120 ME DT 0013 D02



شماره صفحه: ۶ از ۸

Mechanical Data Sheets For Fuel Gas K.O. Drum (V-2205) / sheet 2 of 4

										eet 2 of				
/.				ACCES				IST & LO			Ξ			
1					Acces			hments (/						
2		g Leg				YES		ame Plate						YES
3			Platform (Note	e 10)		YES		ame Plate						YES
4	Insulation	Support				NO	E						YES	
5	Insulation					NO		Tailing Lug NO						NO
6	Insulation	Cover				NO	С	Cathodic Protection (Sacrificial Anodes) NO						NO
7			ort			NO		Anchor Bolts NO						
8		19				YES		Instrumentations NO						
9		unnorte				YES		Skid NO						
10		nningom	ont Raffle			YES								YES
11	Internal D	omietion	Pad (Note 44	\		YES		vit for Bod						YES
12		oina	r au (Note 44			YES	D.	WILLIOI DOG	iy i larige	,				120
13		iliy				123								
14														
15														
16														
17								+ (1)						
18							s List	* (Note 1)						
19		Qty.	Des	cription		Pipe			Flange		Proj. (mm) Reinforcement			Remarks
20	)			<u> </u>	Size	Thk.	Sch.	Type	Rate.	Face	(Note 32)	Thk.	O.D.	
21		1		Inlet	2"			WN	#150	RF	428.5			
22		1		s Outlet	2"			WN	#150	RF	See DWG		oxdot	
23	B2	1	Liqu	id Outlet	2"			WN	#150	RF	314.25			
24	1 Deleted													
25	Н	1	Ha	ndhole	8"			WN	#150	RF	478.5	*	*	Note 6
26		1		Connection	2"			WN	#150	RF	428.5			
27		1		ure Gauge	2"			WN	#300	RF	428.5			
28		2		PDI	2"			WN	#300	RF	428.5			
29		1		Safety Valve	2"			WN	#150	RF	428.5			
30		2		nd Pipe	3"			WN	#150	RF	428.5			
		2			2"									
31				<i>Fransmitter</i>				WN	#300	RF	428.5			
32		1		Vent	2"			WN	#150	RF	See DWG			
33														
34														
35														
36														
37														
38														
39														
	) I													
40														
40 41														
40 41 42	2													
40 41 42 43	3				Wind a	nd Seism	ic Load	s at Base *	Note(9)	)				
40 41 42	l load Co	ondition	Em	pty Condition	Wind a	nd Seism		s at Base *		)	Т	esting Con	dition	
40 41 42 43 44 45	Load Co	ondition		1	Wind a		Opera	ting Conditi			Max.		dition	
40 41 42 43 44 45 46	Load Co	ondition	Max. Shear	Max.		Max. Sh	Opera ear	ting Conditi Max.	ion	1	Max.	Max.		
40 41 42 43 44 45 46 47	Load Co	ondition	Max. Shear @ Base	Max. Moment @	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @	ion Weigl	nt G	Max. Shear O Base	Max. ment @		Veight
40 41 42 43 44 45 46 47 48	Load Co	ondition	Max. Shear	Max.		Max. Sh	Opera ear	ting Conditi Max.	ion	nt @	Max. Shear Base Mo	Max.		Veight (Kg)
40 41 42 43 44 45 46 47 48 49	Load Co		Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49	Load Co	Гуре	Max. Shear @ Base	Max. Moment @	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @	ion Weigl	nt @	Max. Shear D Base	Max. ment @		
40 41 42 43 44 45 46 47 48 49 50	Load Co	Гуре	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51	Load Co	Гуре	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 60 61	Load Co	Гуре D	Max. Shear @ Base	Max. Moment @ Base	Weight	Max. She	Opera ear	ting Conditi Max. Ioment @ Base	ion Weigl	nt @	Max. Shear D Base	Max. ment @ Base		

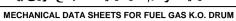


### **NISOC**

شماره پیمان:

### نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

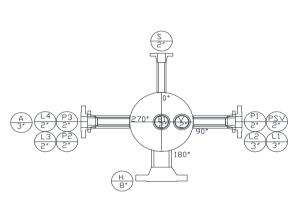






شماره صفحه: ۱ از ۸

# -04 - - 44 - 414 Mechanical Data Sheets For Fuel Gas K.O. Drum (V-2205) / sheet 3 of 4 Sketch -ID. 438-



Nozzle Orientation will be finalized by piping later.

Nozzle Elevation will be finalized by piping later.

All dimensions are in mm.



-24 - - 44

# نگهداشت و افزایش تولید میدان نفتی بینک

### سطح الارض

### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک







شماره صفحه: ۱۸ز ۸

		Mech	anical Data Sheets	For Fuel Gas K	.O. Drum (V	'-2205) / sheet	t 4 of 4			
				WEIGH	T					Re
1 2 3 4		WEIGHT CONTR DATA SHEET SI UNIT *			1/1					
5 6 7 8	Service : Fuel Gas K.O. Drum Location : Bushehr (Binak Oilfield)  Type : Quotation No. :  No. trains : Serial No. :									
9 10 11 12	No. stages : Supplier : Manufacturer : Model :									
13 14 15		o be completed by equi	pment vendor.	T-(-1						
16 17	Fabrication	Erection	Operatio	Total weig	nt (kg) * Hydrosta	utia Taat	Pome	ovable internal	Lodder 9 Dlotform	
18 19 20	Fabrication	LIECTION	Орегано	"	Пушоѕіа	ilic rest	Kemic	ovable iliterilai	Ladder & Platform	_
21 22		·								
23			WEIGHT A	AND C OF G	DATA RE	QUIRED *				
24 25	CONDITION	WEIGHT ACCURACY	_	WEIGHT (kg)		Х		NTER OF GRAV	/ITY (mm) Z	
26 27	Dry	ACCURACT	70	(kg)		^		1	2	_
28 29		<u> </u>							<u> </u>	
30 31				SKET	СН					
32 33 34 35 36 37 38 39 40 41		Y	— (	<del>lg€</del>	<del></del>			w		
42 43 44 45 46 47 48	,	H Z	ELEV	ATION				UNDERSIDE OF BASE	: <u> </u>	
49 50 51		•					-			
52 53	1) All lifting points	to be load tested and c	artified	NOTE	S					
54 55 56	2) Any spreader be	eam to be load tested and c eam to be load tested a plan for skid mounted e	nd certified.	provided by t	ne Vendor	:				
57 58 59										
60 61 62										
63										_