

OIL & GAS DEVELOPMENT COMPANY LIMITED



**TENDER ENQUIRY NO. SER/CB/P&P-6400000023/2022
HIRING OF SERVICES FOR REPAIR OF DE-GASSER VESSEL (V-9710) AND
CONDENSATE WATER SEPARATOR VESSEL (V-2013) INSTALLED AT QADIRPUR
PLANT**

Note:

Bid bond of **PKR 155,000/- (Pak Rupees One Hundred Fifty Five Thousand only)** must be submitted with the bid. The master set of tender documents (services) uploaded on OGDCL website (www.ogdcl.com) is the integral part of this TOR.

**TERMS & CONDITIONS FOR HIRING OF SERVICES FOR REPAIR OF DE-
GASSER VESSEL (V-9710) AND CONDENSATE WATER SEPARATOR
VESSEL (V-2013) INSTALLED AT QADIRPUR PLANT**

WORK SCOPE EXPLANATORY NOTES FOR CONTRACTOR:

- 1- The Owner, Oil & Gas Development Company Limited (OGDCL) is interested in inviting bids for the provision of services at its Qadirpur Gas Plant for repair of De-Gasser Vessel (V-9710) and Condensate Water Separator Vessel (V-2013) installed at Qadirpur Plant from reputable companies in this field.
- 2- The Contractor shall quote separate rate for each activity against the quantities.
- 3- The work shall be done, completed in all respects in accordance with the requirements and Owner's instructions/satisfaction.
- 4- The Quantities contained in the scope of work for each activity are estimated and liable to change (increase, decrease or omitted) at the time of work execution. The Owner does not expressly or by implication guarantee that actual quantities of work to be performed will correspond to the scope of work submitted with this tender document. The payment to be made to the Contractor shall be based on the actual quantity of work performed. OGDCL reserves the right to change (increase/decrease) the scope of the work at any time keeping in view the operational requirements. In such case, quoted unit rates will be applicable.
- 5- The Contractor shall be responsible for carrying out all work, complete in all respects, according to the scope of work. Any item of work required for completion but not expressly indicated in the scope shall be deemed to have been included in the unit rates quoted by the Contractor.
- 6- Repair work to be carried out at Contractor's facility. Accordingly, Vessels will be shifted to the contractor's facility where repair works are to be carried out on a fast track basis.
- 7- Unit rates quoted by bidder shall be firm. No extra payments on account of escalation in prices due to any reason shall be admissible.
- 8- The Contractor shall be paid only for the work duly approved by Owner's representative. Any rework due to poor quality, demonstrated by NDT results & inspection by OGDCL shall be on Contractor's account.
- 9- Contractor must understand to confirm the provided scope of work by OGDCL for bidding and may visit site for clarification of scope (if any).

10- Contract duration will be **one (01) year** however Job will be performed within **sixteen 16 weeks** from handing over of the vessels including time required for transportation to and from Qadirpur.

CONTRACTOR'S RESPONSIBILITIES:

- 1- Contractor shall provide plan of activities in advance and engage only certified staff for the repair jobs.
- 2- Transportation of Vessel to and from Qadirpur Gas Field to Contractor Workshop.
- 3- Arrangement of Transportation Vehicle (including Fuel) for Transportation of Vessel.
- 4- Contractor will bear all expense(s)/damage(s) during transportation and loading/unloading of vessels at its Facility.
- 5- Arrangement for loading / unloading of Vessel at Contractor workshop i.e. Crane, Rigger and Lifting Tools etc. will be contractor's responsibility.
- 6- Contractor will hire certified crane operator, scaffolder, rigger, drivers, welders, fabricators etc.

OGDCL's SCOPE:

- 1- Isolation/Cleaning of vessel as per job requirement.
- 2- Dismantling of Vessel from system, Removal of accessories and Blinding / De-Blinding of Vessel.
- 3- Loading / Unloading of Vessels at Qadirpur site including provision of Crane, Lifting Tools, Rigger etc. is OGDCL's responsibility.
- 4- Permit to Work system, Rigging Plan etc. will be OGDCL's responsibility.
- 5- Installation of Vessel and all related accessories & pipelines etc. after repair will be OGDCL's responsibility.

CONTRACTOR SCOPE OF WORK FOR V-2013:

- 1- Contractor will be responsible for repair of Vessel as per repair plan provided by client in every aspect and form.
- 2- Inspection and Test Plan in compliance of API 510 Requirements (WPS/PQR, Repair Procedure, Hydrogen bake out procedure, Weld Joint Details etc.) approved by API 510 inspector.
- 3- Procurement of insert patch plate material. Contractor will provide MTC of all Purchased material. Client will perform inspection of material prior to start of job. **(Hold Point)**.
- 4- New Plate Rolling according to Vessel Diameter.
- 5- Removal of Belzona Coating & Surface preparation of only damaged area.
- 6- Surface Preparation, Cutting of existing patch according to new patch dimensions (See Repair Sketch of Vessel), Fabrication and Welding of New Insert Patch.

- 7- Welding (Back pass) using SMAW or GTAW as per API 510 and ASME-PCC-II guidelines to cater Root Corrosion of Circumferential Seam Welds (CS-01,CS-02 and CS-04).
- 8- Preheat & PWHT as per code requirements (only for replaced patch plate portion and weld repairs).
- 9- FFS Inspection of Vessel by API 510 Inspector.
- 10- Preparations and Execution of Hydro test @ MAWP (150 psig) of Vessel after Repair. Client will be informed priorly to witness the Hydro test of Vessel. **(Hold Point)**
- 11- Repair nameplate with date and necessary details as required by API 510.
- 12- Repair of Belzona Coating over replaced section only and weld seams.
- 13- Sand Blasting/Painting(One Coat Primer + Enamel Painting) of complete Vessel (externally) after Repair.
- 14- Preparation of RAR form as per API 510 requirement.
- 15- Submission of QC dossier for complete job.
- 16- Job to be completed within 16 weeks of Handing over of Vessel including time required for transportation to and from Qadirpur.

CONTRACTOR SCOPE OF SERVICES V-9710:

- 1- Contractor will be responsible for repair of Vessel as per repair plan provided by client in every aspect and form.
- 2- Inspection and Test Plan in compliance of API 510 Requirements (WPS/PQR, Repair Procedure, Hydrogen bake out procedure, Weld Joint Details etc.) approved by API 510 inspector.
- 3- Procurement of Dish End, Drain Nozzle and all related material. OGDCL will perform inspection of material prior to start of Job. **(Hold Point)**.
- 4- Cutting and Reinstallation of Skirt to Bottom Dish Weld Joint.
- 5- Cutting of shell to bottom Dish butt weld joint, surface preparation and perform hydrogen bake out (if required) as per API 510 and ASME PCC-II guidelines.
- 6- NDT (DPT,RT,PAUT) as per code requirements.
- 7- Preheat & PWHT as per code requirements (only for replaced dish end portion and weld repairs).
- 8- FFS Inspection of Vessel by API 510 Inspector.
- 9- Preparations and Execution of Hydro test @ MAWP (162psig) of Vessel after Repair. OGDCL will witness the Hydro test after completion of repair job. **(Hold Point)**.
- 10- Repair nameplate with date and necessary details as required by API 510.
- 11- Sand Blasting/Painting(One Coat Primer + Enamel Painting) of complete Vessel (externally) after Repair.

12- Preparation of RAR form as per API 510 requirement.

13- Submission of QC dossier for complete job.

14- Job to be completed within 16 weeks of Handing over of Vessel including time required for transportation to and from Qadirpur.

Bidder/Contractor Qualification Criteria:

Sr. #	Evaluation Item	Description of Criteria	Max. Marks / Calculations	Maximum Marks	Minimum Qualifying Marks	Remarks
1.	Contractor strength to execute repair job.	Contractor should have min. 05 years' experience for repairing of vessels in oil & gas / petrochemical industry.	15 years exp.: 20 10 years exp.: 15 05 years exp.: 10 Less than 05 years exp.: 0	20	10	The Contractor should submit the detailed of scope of work (especially vessel's details) along with supporting documents to prove the relevant experience.
2.	Previous Service Order between 2012 ~2022	05 No's Refurbishment/ New Manufacturing of Pressure vessels with similar/ higher capacity have been performed (10Marks) 03 No's Refurbishment/ New Manufacturing of Pressure vessels with similar/ higher capacity been performed (06 Marks)	Provide the purchase/service orders with their details	10	06	
3.	Certifications.	Contractor should provide following valid certificates; 1. ISO 9000 certification: 2. ASME U/R-Stamp 3. PEC Registration	1. 02 Marks 2. 03/03 Marks 3. 02 Marks	10	10	Contractor should submit the valid copy of certificates. If the certificate status is in progress no marks shall be given.
4.	Offices, Workshop, Tools, Equipment, Machinery, Infrastructure.	Contractor should have following facilities with in Pakistan. 1. Certified Workshop 2. Cranes, fork lifters. 3. Welder's Qualification	05 Marks 03 Marks (02 + 01) 02 Marks	10	09	

5.	Safety & HSE Policy	Contractor's documentary evidence of HSE policy.	Fully Complied: 10	10	10	
6.	Personnel capacities to be deployed.	Contractor's manpower should have min. 05 years of relevant trade experience in oil & gas sector:	<u>Fabricator:</u> 10 years exp.: 05 05 years exp.: 02 <u>Welder:</u> 10 years exp.: 05 05 years exp.: 02 <u>Millwright/Fitter:</u> 10 years exp.: 05 05 years exp.: 02	15	2+2+2 = 06	All three trades must qualify min. marks. 0 marks in any of the trade will disqualify the category even if other trades score 06 marks as Total CV's to be provided with experience certificates. Less than 05 years: 0 Marks
7.	Supervisor's Experience	Job Supervisor should have min. 15 years' experience of repair works of ASME coded vessels.	20 years exp.: 15 15 years exp.: 10 Less than 15 years exp.: 0	15	10	Bidder should submit the CV of Job supervisor.
8.	Complete compliance of Term and Conditions	Bidder to confirm the compliance with separate letter.	Fully Complied: 10	10	10	The contractor should submit the complete compliance certificate with the bid, any deviation from term and condition is not acceptable.

Total Marks= 100

Minimum Qualifying Marks = 71

Note:

- Contractor should get minimum qualifying marks in each category as mentioned in above table. Contractor will not be qualified if above mentioned minimum qualifying marks in any category will not be scored by the contractor. In addition, the total marks should also be not less than 71. Any contractor who will score less than 71 marks shall not be considered for evaluation.
- Contractor must have five years' total experience of providing ASME coded vessel repair services. Contractors having experience less than five years will be disqualified & shall not be considered for evaluation even they score marks more than 71 as per above tabulated criteria.
- In case of JV, JV agreement to be provided by contractor. Experience of both JV partner will be not added together for marks calculation.

Financial Bid Format / Evaluation Criteria:

Sr.#	DESCRIPTION	QTY.	PRICE (PKR)
1	Services cost for repair of De-Gasser Vessel (V-9710) as per repair scope and TOR's (inclusive of all types of material, equipment's, tools, machinery, consumables, transportation etc.)	Lump sum	
2	Services cost for repair of Condensate water separator Vessel (V-2013) as per repair scope and TOR's (inclusive of all types of material, equipment's, tools, machinery, consumables, transportation etc.)	Lump sum	
TOTAL PRICE (inclusive of all taxes except PST/ICT) :			

Notes:

1. The prices should be inclusive of all applicable taxes, duties, levies, charges etc. except PST/ICT.
2. OGDCL reserves the right to delete / cancel any activity mentioned in the scope. At the time of job execution, they will be informed about such deletion/cancellation of activity and payment will be adjusted accordingly.
3. No Advance payment will be made at the time signing the contract
4. Contract will be awarded to financially lowest evaluated bidder on complete package basis.
5. Payment will be made after submission of completion certificate and verified invoices duly signed by Field Manager, Relevant section Incharges at Qadirpur.
6. Commercial Invoice should be submitted with the activity list with pricing verified by filed official.
7. Sales Tax invoice with Annexure 'C' must be provided.

Other Important Information

a. BIDDING METHOD

Bids against this tender are invited on '**Single Stage Two Envelop**'.

b. BID PRICE

- i. Bid price shall be inclusive of all taxes, duties, levies, charges etc., except Provincial Sales Tax (PST)/ Islamabad Capital Territory Sales Tax (ICT) in Pakistan.
- ii. The prices should be quoted in PKR.

c. AMOUNT OF BID BOND

Bid Bond /Bid Security amounting to **PKR 155,000.00** is to be attached / provided with the technical bid. Please see Master Set of Tender Document for further details.

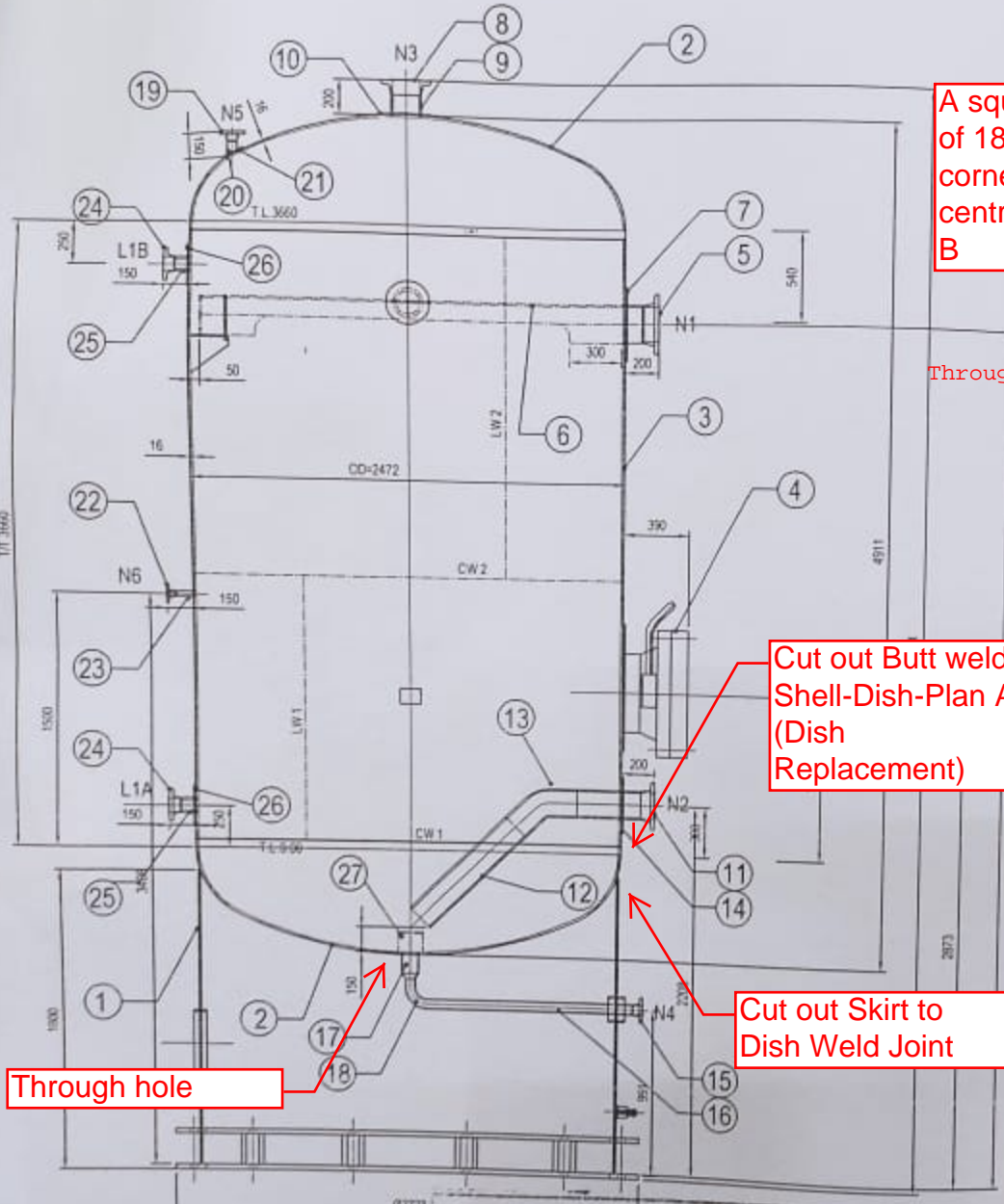
d. MANDATORY REQUIREMENT

For online payment to vendors/contractors through (IBFT & LFT) following info is required:

1. IBAN (INTERNATIONAL BANK ACCOUNT NUMBER 24 DIGITS).
2. VENDOR NAME AS PER TITLE OF THEIR BANK ACCOUNT.
3. NTN NO.
4. CONTACT # OF COMPANY CEO/OWNER (MOBILE & LANDLINE).
5. POSTAL ADDRESS.
6. BANK NAME.
7. BANK BRANCH NAME & ADDRESS.

The master set of tender documents (services) uploaded on OGDCL's website (www.ogdcl.com) is the integral part of this TOR.

Bidders are requested to read TOR & Master Set to Tender Documents (Services) and provide complete information / documents including tender annexures with the bid.



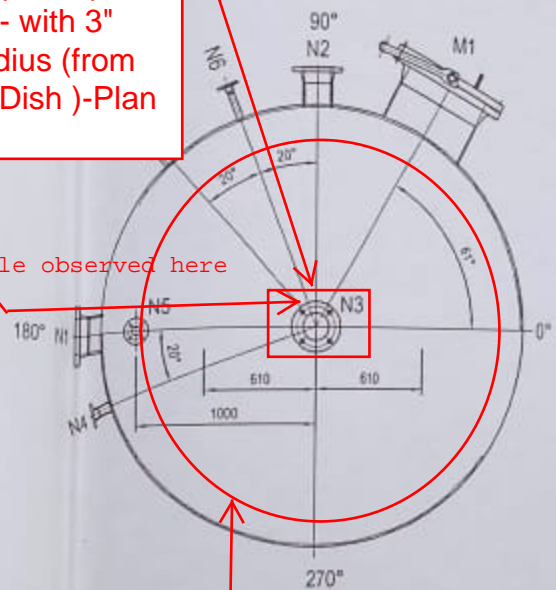
A square patch plate of 18x18" - with 3" corner radius (from centre of Dish) - Plan B

Through Hole observed here

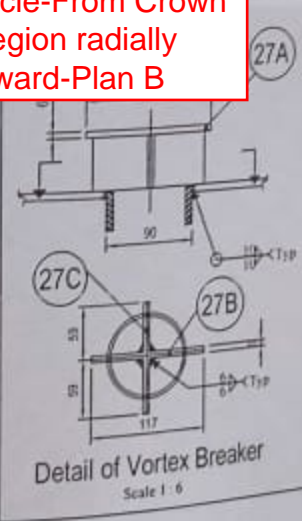
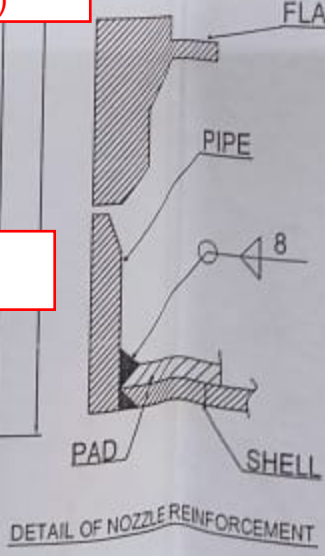
Cut out Butt weld Shell-Dish-Plan A (Dish Replacement)

Cut out Skirt to Dish Weld Joint

Through hole



Weld Build up at pitted areas inside circle - From Crown Region radially inward - Plan B



BILL OF MATERIAL

ITEM	Qty	DESCRIPTION	MAT.	WEIGHT
1	1	SKIRT SHELL 106 X 102 X 8	SA 516 G 70N	106 Kg
2	2	DISH END ID 11136 MM TH 16.5 SA 516 G 70N	SA 516 G 70N	187 Kg
3	1	SHELL 1716 X 288 X 16	SA 516 G 70N	3465 Kg
4	1	WINDWALL 27	AS PER DWG FD-02	
5	1	FLANGE 8" 150 WAFR	SA 1054	16.3 Kg
6	1	PIPE 8" SCH 40 150	SA 1054 G B	16.0 Kg
7	1	PAD PLATE 00 230 ID 230 H 16	SA 516 G 70N	5.8 Kg
8	1	FLANGE 8" 150 WAFR	SA 1054	11.9 Kg
9	1	PIPE 8" SCH 40 150	SA 1054 G B	8.91 Kg
10	1	PAD PLATE 00 202 ID 202 H 16	SA 516 G 70N	4.6 Kg
11	1	FLANGE 8" 150 WAFR	SA 1054	11.9 Kg
12	1	PIPE 8" SCH 40 150	SA 1054 G B	13.1 Kg
13	1	ELBOW 8" SCH 40 90° LR SE	SA 1054 WPS	8.9 Kg
14	1	PAD PLATE 00 207 ID 207 H 16	SA 516 G 70N	4.6 Kg
15	1	FLANGE 8" 150 WAFR	SA 1054	2.7 Kg
16	1	PIPE 2" SCH 40 150	SA 1054 G B	11.91 Kg
17	1	BRACE 2" X 2" SCH 40 LR SE	SA 1054	1.7 Kg
18	1	ELBOW 2" SCH 40 90° LR SE	SA 1054 WPS	1.27 Kg
19	1	FLANGE 2" 150 WAFR	SA 1054	2.7 Kg
20	1	PIPE 2" SCH 40 150	SA 1054 G B	0.83 Kg
21	1	PAD PLATE 00 127 ID 127 H 16	SA 516 G 70N	1.16 Kg
22	1	FLANGE 1" 150 WAFR	SA 1054	1.1 Kg
23	1	PIPE 1" SCH 40 150	SA 1054 G B	0.42 Kg
24	2	FLANGE 2" 150 WAFR	SA 1054	15.8 Kg
25	2	PIPE 2" SCH 40 150	SA 1054 G B	2.5 Kg
26	2	PAD PLATE 00 127 ID 127 H 16	SA 516 G 70N	2.2 Kg
27A	1	TOP PLATE 8" 16 X 8mm TH	SA 516 G 70N	0.83 Kg
27B	1	CROSS PLATE 117 102 X 8mm TH	SA 516 G 70N	3.41 Kg
27C	2	PLATE 61 X 81 8mm TH	SA 516 G 70N	0.18 Kg

NOZZLES REINFORCEMENT PADS

Dr No	Qty	OD OF PAD	ID OF PAD	THK OF PAD	MAT	WEIGHT
01	1	150mm	110mm	16mm	SA 516 G 70N	27.00 Kg
02	1	120mm	80mm	16mm	SA 516 G 70N	17.70 Kg
03	1	100mm	60mm	16mm	SA 516 G 70N	11.00 Kg
04	1	80mm	40mm	16mm	SA 516 G 70N	5.50 Kg
05	1	60mm	30mm	16mm	SA 516 G 70N	2.75 Kg
06	1	40mm	20mm	16mm	SA 516 G 70N	1.10 Kg
07	1	30mm	16mm	16mm	SA 516 G 70N	0.55 Kg
08	1	20mm	12mm	16mm	SA 516 G 70N	0.28 Kg
09	1	15mm	10mm	16mm	SA 516 G 70N	0.18 Kg

GENERAL NOTES

- All dimensions are in mm unless otherwise specified.
- Remove all sharp corners.

GA001105

PETROSIN GROUP

OGGCL

QADIRPUR EXPANSION PROJECT

CONSTRUCTION DETAIL

SEG-008-0370

PROJECT No: [] DRAWING No: [] SHEET No: 1 OF 1

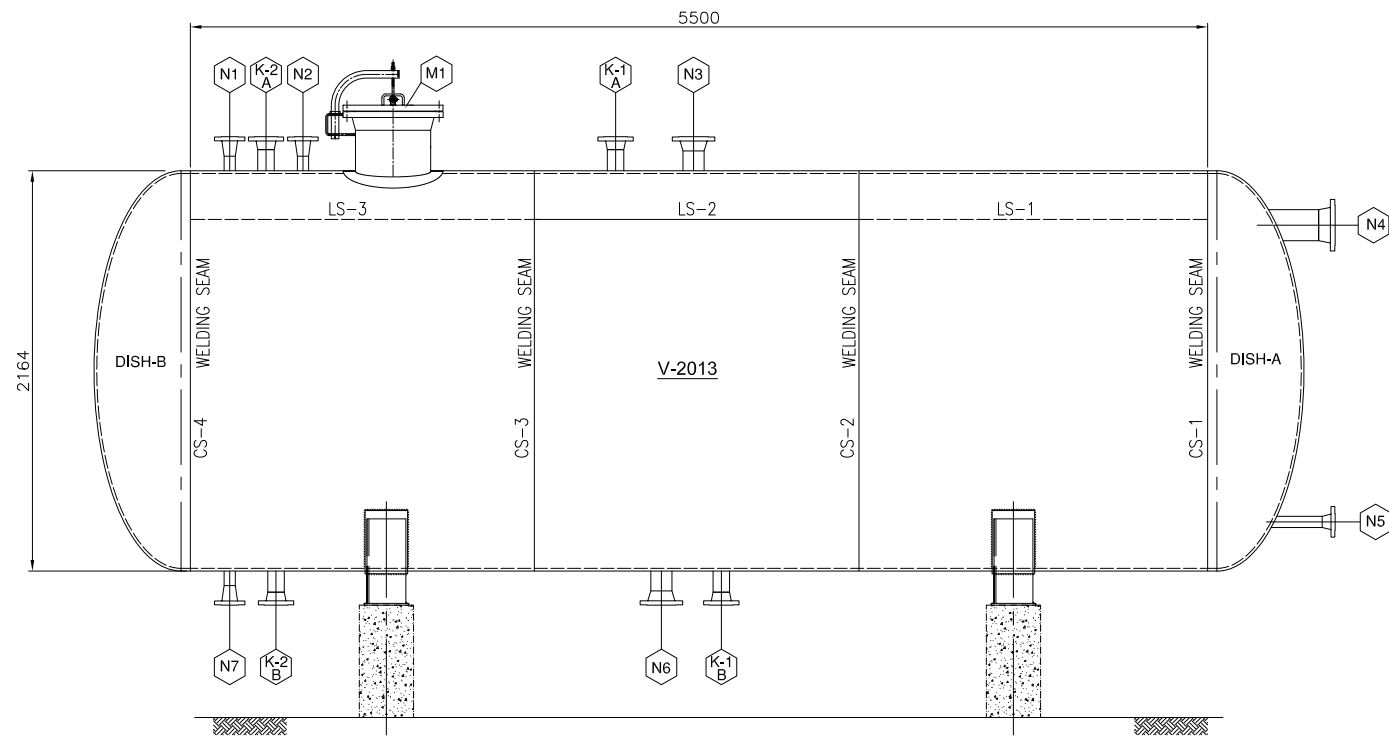
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DATE: []

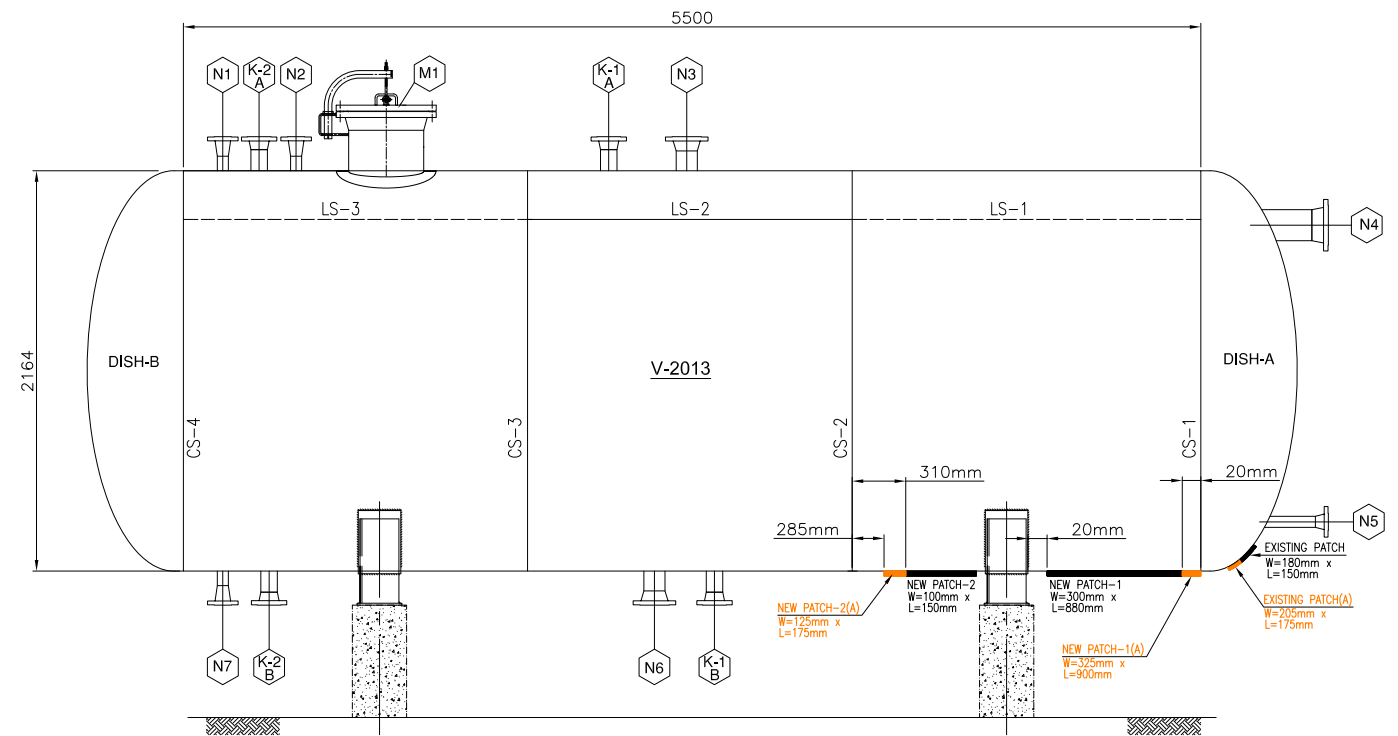
PETROSIN ENGINEERING (PVT) LIMITED
PROJECT MANAGEMENT DEPARTMENT

ISSUED FOR CONSTRUCTION
REV- []

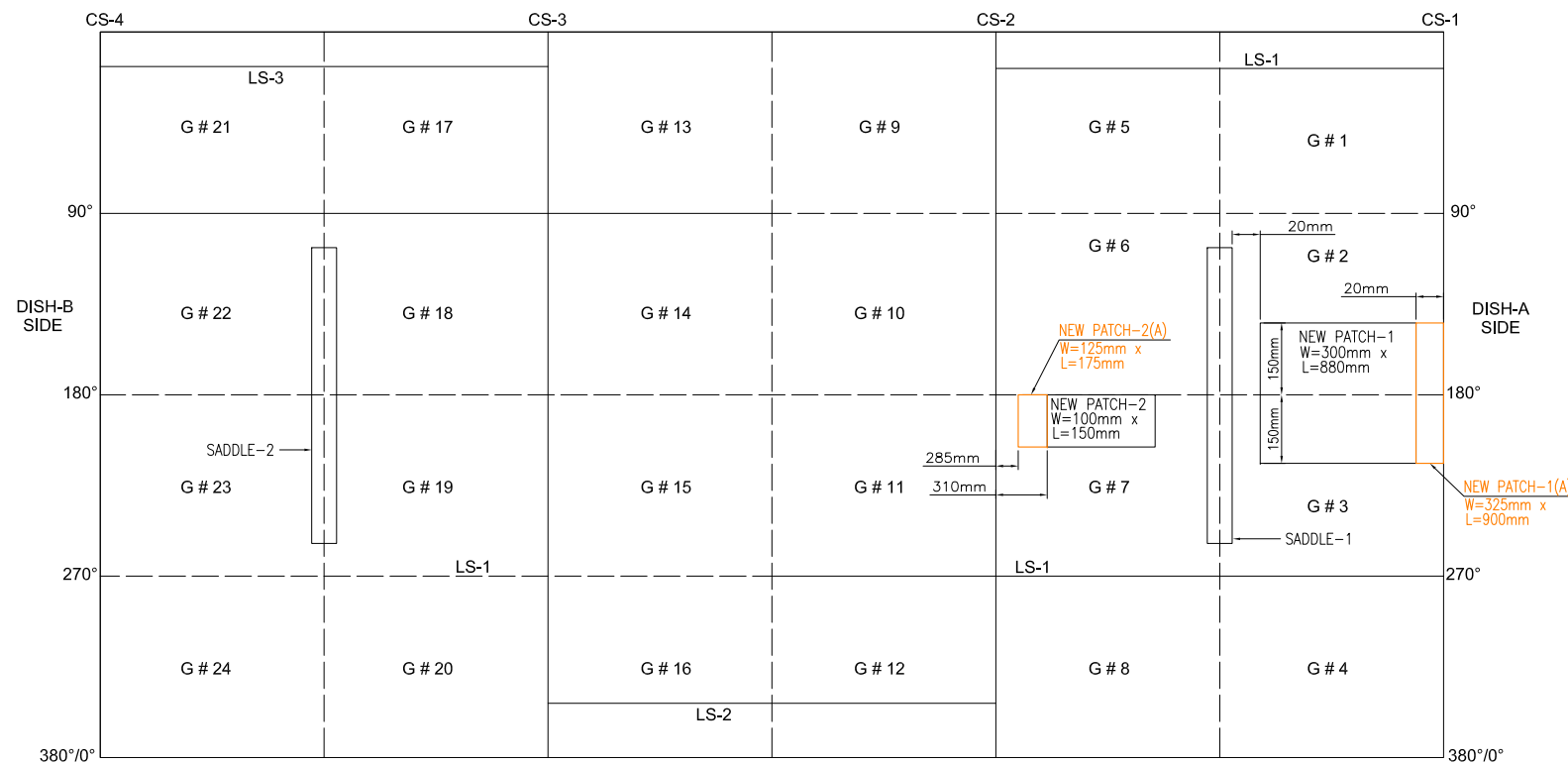
31.10.07
DATED



ELEVATION
SCALE 1:40



ELEVATION
SCALE 1:40



WELDING SEAM DETAIL
SCALE 1:30

NOTE:

1. ALL DIMENSIONS ARE IN MM, UNLESS SPECIFIED.

1	02-01-2022	ISSUED FOR REVIEW	NU	NA	M.HA
0	02-01-2022	AS-BUILT	NU	QSA	M.HA
REV.	DATE	DESCRIPTION OF REVISION	PREP'D:	CHECK	APPR.
CONTRACTOR : Velosi Integrity & Safety Pakistan (Pvt.) Ltd. 401, 4th floor Plot No,19-A-1 Block-6 PECHS, Karachi, Pakistan					
CLIENT : OIL & GAS DEVELOPMENT COMPANY LTD.					
TITLE : V-2013 REPAIR					
LOCATION : QADIR PUR					
PROJECT CODE : VISP-031-0120					
DRAWING NO	SHEET NO	SCALE	SHEET SIZE	REV	
VISP-031-0120-V-2013	1 OF 1	AS SHOWN	A3	1	