



AmulFed Dairy

A UNIT OF GUJARAT CO-OPERATIVE MILK MARKETING FEDERATION LIMITED

(PREVIOUSLY KNOWN AS MOTHER DAIRY, GANDHINAGAR)

PURCHASE ENQUIRY

AFD /PUR/YKV/ MS GI SS ARC/2021-22

DATE: 21.10.2021

SUB : Purchase Enquiry for annual rate contract for Job Work of MS GI SS pipe line welding work and lifting shifting for AFD and PFP

We invite your most competitive offer for pipeline erection & fabrication work.

Your offer should be based on following considerations & as per enclosed format:

1. The offer should reach: AmulFed dairy (A Unit of G.C.M.M.F. LTD.)
Plot no : 35, Nr. Indira Bridge,
Ahmedabad Gandhinagar highway,
Village Bhat, Dist: Gandhinagar, Pin : 382428.
2. **Due Date : 03.11.2021**
3. The offer should be send in sealed cover super scribing on the top left-hand corner offer for Inquiry No: **AFD /PUR/YKV/ MS GI SS ARC/2021-22 dated 21.10.2021**. If it is not super scribed, it is liable for rejection. Rates sheet as per Annexure – I. Contract period would be for one year.
4. Offer received after due date for whatsoever reason may be rejected. We are not responsible for postal delays.
5. No Rate hike will be given during the rate contract.
6. Offer should be valid for acceptance, for 30 days from due date for submission of offer.
7. The Rates / price should be for F.O.R. destination basis inclusive of packing & forwarding and freight. However it should be clearly mentioned in the quotation.
8. F.O.R. Destination: AmulFed Dairy, Bhat and PFP sector 25 Gandhinagar.
9. Your offer should be excluding GST. Please mention applicable taxes separately which you will charge.
10. We are not bind to accept lowest offer. In case of any dispute, decision of GM AFD will final and binding to all.
11. Right to reject any or all the offers without assigning any reason is reserved by us.
12. Offer which are incomplete or not meeting the condition or only for part items, are liable for rejections.
13. Payment Terms with 30 days credit will only be accepted.
14. Detailed technical specifications are as per attached annexure.
15. We are QMS - ISO 9001:2015, EMS - ISO 14001: 2015 and FSSC 22000 Version 4.1 certified unit. We expect you to follow eco-friendly processes in your company such as waste minimization, reduction in air pollution, water pollution and soil contamination etc.
16. Other Terms Conditions for the contract is as mentioned on page no. 2.
You have to submit vendor registration form (VRF) along with your offer. The VRF is available on our website **www.amul.com**. You can find the same under B2B –Suppliers Enquiry option

Thanking You,

Yours Faithfully,

For AmulFed Dairy,

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Plot No. 35, Nr. India Bridge, Ahmedabad – Gandhinagar Highway, Village: Bhat, Dist.: Gandhinagar, PIN 382 428

Tel. No.: (079) 23969055 – 58, Fax No.: (079) 23969059

Website: www.amul.com



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Terms & Conditions

- You are requested to send your rates in this format only with your sign stamp and date.
- Above quoted rate should be valid for one year from order date.
- All the machinery (like welding m/c., Drill m/c, Hammer Drill m/c, Grinding m/c, cutting set & m/c, chain block), Tools, Tackles, Consumables (like Advani welding rod, oxy-acetylene / argon & all gas, welding & supply cable) required for fabrication & erection should be born by you. **If you use tools and gases from AFD & PFP its rate will be deducted form your billed amount.**
- **For lifting & shifting work all tools , tackles & team provide by vendor.**
- Fabrication & erection work should follow Good Engineering practice with proper supervision during execution of work. During the handling of gas cylinders in the AmulFed Dairy, you should use proper trolley.
- AmulFed dairy will provide you raw material like, pipe, pipe fittings & necessary support material & electric power.
- **You must only use Advani & 1&t make arc welding rods & Raj ratna make filler rod (Other wise 35 % amount of bill will be deducted from the invoice). For cutting, you must use Cutting -set OR Cutting rod only.**
- After each welding joint you should apply Rust Converter Coating to prevent the Rusting on welding joint.
- Allotted work should be completed with in given time limit.
- **You should start the work with in 24 hours after intimation by our Engineer.**
- Insurance of your workers will be in your scope. You will have to submit the copy of insurance policy of your worker within 15 days after getting the order. AmulFed Dairy will not be responsible, if any accident occurs with your worker.
- When you bring your machine, tools & cylinders, please get it in warded at security gate and produce the same document while taking it back. Else you will not be allowed to bring back your material.
- You should have your own Electric Connection Extension Boards.
- All your machine should be protected by proper ELCB for safety.
- You should have valid P.F. Registration Number.
- All workmen (welders, helpers etc.) must be provided with appropriate PPE like helmets, aprons, hand gloves, safety belts, goggles, safety shoes and safety belt. Any person working without proper PPE shall not be allowed to work in the premises.
- Your worker should be in proper uniform and with I card.
- All lifting tools and tackles used by you must be tested and stamped for the intended duty and capacity.
- AFD strictly prohibit use of Tobacco in any form. Such acts will be strictly penalized @ Rs. 5000/- per act along with to permanent no entry to the driver, cleaner or any of your workers identified
- Any dispute between the contractor and the AmulFed Dairy will be settled by mutual discussion only and the decision of the General Manger of AmulFed Dairy shall be final and binding on both the parties. In case a legal settlement is resorted to as a last option, the jurisdiction of such settlement will be Ahmedabad only.
- Measurement sheet to be submitted on every Monday.
- You shall provide separate arrangement for keeping your equipments. Space will be provided by AFD.



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- All work must be started only after taking work permit. Penalty of Rs 5000/- will be applicable if found without work permit.
- You will provide minimum 3 teams all time. Team composition will be as under :
 - One welder (ITI welder/certified welder)
 - One fitter (ITI fitter)
 - One Helper.
- One addition to above, you must depute one supervisor with min qualification of ITI/12th pass.
- You will maintain a daily attendance register of your welder/fitter/helpers. Supervision shall get attendance verified with utility In charge on daily basis.
- Continuous failure of providing 3 teams/ less than committed team will be penalties as per AFD.
- removal of all debris of consumables like welding rod buds, worn out cutting rods etc and left over unusable material at designated place (within periphery of 15 meters of actual work place) of shall be in scope of contractor. In case, AFD desires to reuse the material elsewhere, taken out material shall be properly cut as instructed by AFD. In case, AFD decides to scrap the taken out material, it should be cut at required length for ease of handling. This job can be included in JMS as pipeline and structure removal rates.
- In case of team supply, rate of team supply is for actual working of 7.5 hours (excluding lunch hours). In case of half team supply, it will be at least 3 hours including time for shifting of welding tools and tackles from one place to another
- AFD is working 24 x 7 for 365 days. Contractor has to ensure deployment of at least one team for full day working on every Sunday. This team can keep holiday on other days of week. In case of public holidays, team deployment shall be mutually decided.

You have to follow Guidelines as under

FABRICATION GUIDELINES

1. Fabrication work shall be carried out by skilled fitters / welders. Only approved welders shall be employed.
2. All the sharp corners and edges shall be removed, chamfered and smoothed.
3. Welding electrodes shall be of ADVANI / ESAB/ make. Welding rods shall be pre- heated in the oven / heating jackets to maintain the temperature as per manufactures' standards. Please get AFDG approval for make of welding filler wire to be used.
4. Welding rectifier, Plasma cutting, Gas cutting, Gas torch etc must be in excellent condition.
5. Mechanical handling facilities preferably shall be used during lifting / assembly of the components to the extent possible.
6. Please arrange required jigs and fixture, wherever applicable.
7. Please maintain straightness of all parts after fabrication.
8. Please maintain the thickness of weld deposit.
9. The welding shall be smooth in horizontal and vertical run and shall not spoil the parent materials.
10. All precautions shall be taken to avoid deformation / buckling / twist during fabrication or welding.
11. Grinder shall not be used on welded surface except for surface of mating parts.

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12. Please carry out the modification / rectification as per the instruction of engineer in charge.
13. Good engineering practice and Good Manufacturing Practice should be followed to have high quality workmanship
14. All works shall be carried out as per the instruction of the Engine-in-Charge

• **SAFETY GUIDELINES/REQUIREMENTS FOR ARC FABRICATION CONTRACTORS**
GENERAL REQUIREMENT:-

1. Contractor must submit Medical Fitness certificates for all the workers after award of contract and before commencement of any work.
2. Contractor has to depute qualified supervisor at site who has knowledge of safety and precautions of fabrication work.
3. Contractor supervisor/in-charge must brief these safety guidelines-requirements and other work related safety precautions to all their workers at least once in week

And record of the same is maintained and submitted monthly to Safety Officer AFD.

4. Contractor has to brief and made aware all their workers that they understand the importance of House Keeping and always maintain good housekeeping while work and after work.
5. For any critical work contractor has to plan properly with AFD in-charge and Safety Officer-AFD before work.
6. Contractor has to take advice of Safety Officer-AFD for any confusion / threat regarding safety of the workers and plant.
7. For any controversy or immediate threat to safety of person and plant the decision of Safety Officer – AFD is final.

PPES:-

1. Contractor has to ensure sufficient quantity of following PPEs provided for their workers all the time at workplace and made arrangement for it's upkeepment with effect from first day of contract.

- a. Safety Shoes (Make KARAM / UDYOGI)
- b. Safety Helmet (Make KARAM / UDYOGI)
- c. Cut Resistance Hand Gloves (Make KARAM / UDYOGI)
- d. Cotton Hand Gloves (Make KARAM / UDYOGI)
- e. Welding Gloves (Make KARAM / UDYOGI)

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- f. Safety Goggles (Make KARAM / UDYOGI)
- g. Face Shield (Make KARAM / UDYOGI)
- h. Welding Helmet (Make KARAM / UDYOGI)
- i. Safety Belt - Full Body, Double Lanyard, Scaffold Latch Hook (Make KARAM / UDYOGI)
- j. Welding blanket

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2. Contractor has to ensure use of all the required PPEs at work.

EQUIPMENTS:-

All the following mentioned equipments must be ISI marked and tested / calibrated by Third Party and contractor has to submit testing / calibration certificate before commencement of work.

1. Welding Machine:-

- All the welding machine are in good condition having no defects
- Having identification and testing labels on it
- Having given body earthing and always connected with ELCB
- Having intact supply cable with top plug and no joints allowed
- Positive & Earthing electrodes are in good condition and always connected with lugs
- Arc Holder is of good condition and no defect in it
- Earthing electrode provided with crocodile pin

2. Hand Grinder:-

- Grinding m/c must be in good condition having no defects
- Having identification and testing labels on it
- Guard must be there always on the grinding wheel
- Body earthing if metal body
- Having given body earthing and always connected with ELCB
- Having intact supply cable with top plug and no joints allowed

3. Rod-Pipe cutter m/c:-

- Rod-Pipe cutter must be in good condition having no defects
- Having identification and testing labels on it
- Guard must be there always on the cutting wheel
- Having given body earthing and always connected with ELCB

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- Having intact supply cable with top plug and no joints allowed

4. Hand Drill and other portable tools:-

- Hand Drill and other portable tools must be in good condition having no defects
- Having identification and testing labels on it
- Guard/lock must be there always on the machine
- Body earthing if metal body
- Having given body earthing and always connected with ELCB
- Having intact supply cable with top plug and no joints allowed

5. Gas Cutting Set:-

- Cutting set only have oxygen – Industrial LPG cylinder is allowed
- All the cylinders kept with contractors must be kept at designated location and location is marked and kept away from direct sunlight and any source of heat
- All the cylinders must be kept in vertical position with tying chain
- All the cylinders must have safety cap on it
- Proper and separate trolley for each cylinder and for the easy transport of the cylinders

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- f. All the cutting set must be identified
- g. ISI marked hose pipes and no joints in it
- h. Cutting torch is in good condition (MESSER /ESSAB make)
- i. Having flash back arrestors (MESSER /ESSAB make) on torch and cylinder sides on both the hoses
- j. Double Stage Pressure regulators having pressure gauge on it on each cylinder (MESSER /ESSAB make)

6. Extension Board:-

- a. Required Number(at least 3) of Portable Extension provided by contractor
 - b. All the extension board have proper fiber cover
 - c. All the extension must have 1 female plug of industrial type 3-phase, 1 female plug of industrial type 1-phase, 1 female plug of three-pin
 - d. Extension boards having provision of earthing wire
 - e. Extension board must have ELCB on it
 - f. Having intact supply cable with top plug and no joints allowed
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7. Portable-Extension Ladder:-

- a. Only Certified ladder is to be procured and certificate to be shown by contractors
- b. MOC:- Aluminum
- c. With antiskid steps/rungs
- d. Single width
- e. Extension slot having proper rope and hooks for resting / sliding

8. Scaffolding:-

- a. Scaffolding is required whenever there is a requirement of work at height at above 4 meter height where there is no platform railing and proper approach to work
- b. It is to be kept / arrange by AFD
- f. Scaffolding must be erected at equal level on floor

9. Life-Lines Ropes :-

- a. Minimum 1 nos is must
- b. It is the rope for anchorage of safety belt
- c. Make:- KARAM / UDYOGI
- d. Fray-Proof, dope-dyed polyester webbing
- e. Length- 20 mtr, Strength - 15 kN
- f. Equipped with ratchet tensioner for quick and easy tensioning of the life line between two supports
- g. Built in shock absorber in it

10. Lifting Equipments, Tools & Tackles (Chain Pulley Block / Hoist / Wire Rope Sling / Lifting Belt / Lifting Chain/ Winch Machine / Hydra / Crane etc):-

- a. Testing Certificate is must in Form No. 10 by Competent Person for all the lifting Equipments, Tools & Tackles used at AFD by contractor.
 - b. The equipment must be in good conditions without any defect and with all the required accessories
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SAFETY GUIDELINES FOR WORK:-

1. Hot Work (Welding, Cutting, Grinding etc.) & Other Maintenance Work:-

- a. Use of Safety Shoes, Safety Helmet, Cotton hand gloves, Goggles is must for all the workers at work
- b. Use of Welding Helmet, Welding Gloves and Welding Blanket is must while welding work
- c. Use of Cut resistance hand gloves and face shield is must while grinding and cutting
- d. Use of Cut resistance hand gloves, face shield and welding blanket is must while Gas Cutting
- e. Ensure proper electrical, mechanical and pneumatic isolation and purging of the equipment/pipe line/ if working on any running plant/process or inside any department
- f. If required apply dummy on incoming & out going lines
- g. Take Work Permit from concern AFD in-charge when working on any running plant/process or inside any department
- h. Remove all the flammable material from the area and barricade the area properly
- i. Use Fire blankets or made arrangement such that the spark fall in safe zone.
- j. Ensure availability of Fire Extinguisher / Water nearby
- k. Make proper housekeeping after work and never kept any flame unattended.
- l. If the area is congested and having flammable material check the nearby area after work
- m. For hot work on gas & oil line ensure gas/LEL level is checked by AFD in-charge and it is not exceeded
- n. No loose connection and joints are allowed in cables (All the cables connected with plug top)
- o. Never perform ant hot work near painting work
- p. Never perform any hot work nearer to any gas line or oil line
- q. Never perform any hot work inside any tanks, drainage etc. confined place

2. Height Work (Above 2 meter of Height):-

- a. Use of Safety Shoes, Safety Helmet, Cotton hand gloves, Goggles and Safety Belt is must for all the workers working at height
- b. Ensure that there must be proper platform and approach to work at height with hand railing and ladder at height
- 6
- c. If there is no platform then must use scaffold which is made as per IS 3696 standard to approach height
- a. Scaffold must have made with Base Plate, upright, putlog, diagonal braces, handrail, jhali-khapeda for platform
- b. All the persons are going to work at height are advised to make proper scaffold as describe above
- d. Portable aluminum ladders must be used for climbing height of scaffold / platform and it is to be fixed on scaffold
- e. Ladders are used only for ascending-descending height not for any work at height.
- f. When ladder is used for ascending-descending height it must be fixed with firm structure or hold properly at base
- g. Use of Safety Belt is must while working at height above 2 meter
- h. Use Life lines for anchoring of Safety Belt where no other means is required
- i. Use intact rope for shifting tools and equipments at height
- j. Do not carry anything while climbing the ladder
- k. Cordon the below area

3. Material Lifting/Shifting Activity:-

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- a. Use of Safety Shoes, Safety Helmet, Cut Resistance Hand Gloves, Goggles must for all the workers involved in Material Lifting / Shifting Activity working at height
- b. Lifting equipment (Crane, Hydra, Chain Pulley, Man-lift) must be in good condition, no leakages and defects should be there. Provided with latch lock in hook
- c. Submit a copy of Form No. 10 and Valid operator license (if required) to AFD in-charge
- d. Submit a weekly crane maintenance report and everyday inspection report to AFD in-charge in case of crane / hydra
- e. Lifting tackles i.e. wire rope Sling must be with cladding, Belts, D-shackles must be intact and no defects in it, Submit Form No. 10 for it

- f. Equipment must be selected based on load capacity considering material to be lifted shifted
- g. Lifted material must be tied with 3 meter or more length rope for guiding it
- h. Cordon the surrounding area
- i. Never left suspended load unattended

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PENALTY:-

- a. For Not following General Requirements, Penalty of Rs. 1000 for each violation / per day / every time will be imposed
- b. For not using required PPEs at work, Penalty of Rs. 1000 for each violation will be imposed
- c. For using PPEs other than specified make/standard/description, Penalty of Rs. 1000 per day will be imposed
- d. For not using required equipments, Penalty of Rs. 2000 for each violation will be imposed
- e. For using equipments other than specified make/standard/description, Penalty of Rs. 2000 for each violation will be imposed
- f. PPEs Rs. 1000 for each violation
- g. For not following any Safety Guidelines while work for relevant work, Penalty of Rs. 2000 will be imposed

- **Health Policy**

Contractor has to provide medical fitness certificate of all workers.



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Annexure - I

Annexure of CS (MS) –GI pipe line work (with V forming & welding rod use only L & T and Adwani make)

Sr No	Specification	Size	UOM	Rate in Rs
1	PIPE ERE. & FABRI. CHARGE	1/2"	MTR.	
2	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	1/2"	NO.	
3	VALVE/TRAP/STRAINER/OTHER INS. FIT & WELD CHARGE	1/2"	NO.	
4	PIPE ERE. & FABRI. CHARGE	3/4"	MTR.	
5	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	3/4"	NO.	
6	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	3/4"	NO.	
7	PIPE ERE. & FABRI. CHARGE	1"	MTR.	
8	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	1"	NO.	
9	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	1"	NO.	
10	PIPE ERE. & FABRI. CHARGE	1.1/4"	MTR.	
11	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	1.1/4"	NO.	
12	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	1.1/4"	NO.	
13	PIPE ERE. & FABRI. CHARGE	1.5"	MTR.	
14	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	1.5"	NO.	
15	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	1.5"	NO.	
16	PIPE ERE. & FABRI. CHARGE	2"	MTR.	
17	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	2"	NO.	
18	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	2"	NO.	
19	PIPE ERE. & FABRI. CHARGE	2.5"	MTR.	
20	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	2.5"	NO.	



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21	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	2.5"	NO.	
22	PIPE ERE. & FABRI. CHARGE	3"	MTR.	
23	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	3"	NO.	
24	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	3"	NO.	
25	PIPE ERE. & FABRI. CHARGE	4"	MTR.	
26	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	4"	NO.	
27	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	4"	NO.	
28	PIPE ERE. & FABRI. CHARGE	5"	MTR.	
29	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	5"	NO.	
30	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	5"	NO.	
31	PIPE ERE. & FABRI. CHARGE	6"	MTR.	
32	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	6"	NO.	
33	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	6"	NO.	
34	PIPE ERE. & FABRI. CHARGE	8"	MTR.	
35	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	8"	NO.	
36	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	8"	NO.	
37	PIPE ERE. & FABRI. CHARGE	10"	MTR.	
38	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	10"	NO.	
39	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	10"	NO.	
40	PIPE ERE. & FABRI. CHARGE	12"	MTR.	
41	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	12"	NO.	
42	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	12"	NO.	
43	PIPE ERE. & FABRI. CHARGE	14"	MTR.	
44	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	14"	NO.	
45	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	14"	NO.	
46	PIPE ERE. & FABRI. CHARGE	15"	MTR.	
47	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	15"	NO.	
48	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	15"	NO.	
49	PIPE ERE. & FABRI. CHARGE	16"	MTR.	



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50	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	16"	NO.	
51	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	16"	NO.	
52	PIPE ERE. & FABRI. CHARGE	18"	MTR.	
53	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	18"	NO.	
54	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	18"	NO.	
55	PIPE ERE. & FABRI. CHARGE	20"	MTR.	
56	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	20"	NO.	
57	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	20"	NO.	
58	CHARGE FOR SUPPORT FABRICATION - with Anchor fastner fitting		KG.	
59	SHUT-DOWN CHARGE FOR WATER & AIR WORK		Visit & Job	
60	PIPE LINE & STRUCTURE REMOVING CHARGE PER KG.		KG.	

Annexure of MS –SA333 pipe line work (for ammonia line work)

Note: V forming, First argon root welding, final arc welding rod use only awsse 6018 fin cord L&T make

Sr No	Specification	Size	UOM	Rate in Rs
1	PIPE ERE. & FABRI. CHARGE	1/2"	MTR.	
2	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	1/2"	NO.	
3	VALVE/TRAP/STRAINER/OTHER INS. FIT & WELD CHARGE	1/2"	NO.	
4	PIPE ERE. & FABRI. CHARGE	3/4"	MTR.	
5	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	3/4"	NO.	
6	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	3/4"	NO.	
7	PIPE ERE. & FABRI. CHARGE	1"	MTR.	
8	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	1"	NO.	
9	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	1"	NO.	
10	PIPE ERE. & FABRI. CHARGE	1.1/4"	MTR.	



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11	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	1.1/4 "	NO.	
12	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	1.1/4 "	NO.	
13	PIPE ERE. & FABRI. CHARGE	1.5"	MTR.	
14	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	1.5"	NO.	
15	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	1.5"	NO.	
16	PIPE ERE. & FABRI. CHARGE	2"	MTR.	
17	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	2"	NO.	
18	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	2"	NO.	
19	PIPE ERE. & FABRI. CHARGE	2.5"	MTR.	
20	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	2.5"	NO.	
21	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	2.5"	NO.	
22	PIPE ERE. & FABRI. CHARGE	3"	MTR.	
23	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	3"	NO.	
24	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	3"	NO.	
25	PIPE ERE. & FABRI. CHARGE	4"	MTR.	
26	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	4"	NO.	
27	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	4"	NO.	
28	PIPE ERE. & FABRI. CHARGE	5"	MTR.	
29	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	5"	NO.	
30	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	5"	NO.	
31	PIPE ERE. & FABRI. CHARGE	6"	MTR.	
32	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	6"	NO.	
33	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	6"	NO.	
34	PIPE ERE. & FABRI. CHARGE	8"	MTR.	
35	BEND/TEE/REDUCER/UNION /FLANGE FIT.&WELD CHARGE	8"	NO.	
36	VALVE/TRAP/STAINER/OTHER INS. FIT & WELD CHARGE	8"	NO.	



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37	SHUT-DOWN CHARGE FOR AMOINA & OIL PIPE LINE WORK		Visit & Job	
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Annexure of all type pipe line lying & structure fabrication manpower Supply

ITEM SPECIFICATION	PRE DAY RATE (RS.)
1.Labour Supply For SS Pipe line & Structure fabrication work	
Skilled Welder, Fitter & Labour Supply For SS Pipe line & Structure fabrication work (Supply of Fabrication Team) (Including: Skilled Welder - Fitter - Helper + M/Cry, Cutting Set, Tools-Tackles & Consumables like Welding Rod, all type Gas etc..)	
2.Labour Supply For CS Pipe line & Structure fabrication work	
Skilled Welder, Fitter & Labour Supply For CS Pipe line & Structure fabrication work (Supply of Fabrication Team (Including: Skilled Welder - Fitter - Helper + M/Cry, Cutting Set, Tools-Tackles & Consumables like Welding Rod, all type Gas etc..)	
3. APS UHT Coil Puncture Making Charges Per Job (Including: Skilled Welder - Fitter - Helper + M/Cry, Cutting Set, Tools-Tackles & Consumables like Welding Rod, all type Gas etc..)	

Annexure of Lifting & Shifting work with All Tools, Tackles & Team

ITEM SPECIFICATION	PRE UNIT RATE(RS.)
Less than 0.5 Ton Wight Equipment or Other Assy.	
0.5 Ton to 1 Ton Wight Equipment or Other Assy.	
More than 1 Ton to 1.5 Ton Wight Equipment or Other Assy.	
More than 1.5 Ton to 2 Ton Wight Equipment or Other Assy.	
More than 2 Ton to 2.5 Ton Wight Equipment or Other Assy.	
More than 2.5 Ton to 3 Ton Wight Equipment or Other Assy.	
More than 3 Ton to 4 Ton Wight Equipment or Other Assy.	
More than 4 Ton to 5 Ton Wight Equipment or Other Assy.	
More than 5Ton to 7.5 Ton Wight Equipment or Other Assy.	
More than 7.5Ton to 10 Ton Wight Equipment or Other Assy.	
10 Ton to More Ton Wight Equipment or Other Assy.	



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Argon Tag & Running welding with V forming & use filler rod of 316L only

ITEM SPECIFICATION (SS Plate thickness)	Welding Length unit	UNIT rate in Rs/ MM
1 MM Plate	MM	
2 MM plate	MM	
3 MM Plate	MM	
4 MM Plate	MM	
5 MM Plate	MM	
6 MM Plate	MM	
7 MM Plate	MM	
8 MM Plate	MM	
9 MM Plate	MM	
10 MM Plate	MM	
11 MM Plate	MM	
12 MM Plate	MM	
13 MM Plate	MM	
14 MM Plate	MM	
15 MM Plate	MM	

Annexure of SS pipe line work (welding filler rod use only 316L Raj Ratanm make, EUTEC-STAINTRODE B-L AC/DC+ Arc welding rod for only SS pipe line work L&T Make & XUPERFAB E309-16 welding rod For CS to SS pipe line work L&T Make)

DESCRIPTION	Erection Rate per mtr.	Argon welding Rate	Argon welding Rate	Arc welding per Joint
	without purging	per joint without purging	per joint with purging	With electrode
S.S PIPE. Below 25 MM o.d.				
S.S PIPE. 25 MM *1.6 (1") OD				
S.S PIPE 38 MM * 1.6 (1.5") OD				
S.S PIPE 51 MM * 1.6 (2") OD				
S.S PIPE 63 MM * 1.6 (2.5") OD				
S.S PIPE 76 MM * 1.6 (3") OD				
S.S PIPE 101.6 MM * 1.6 (4") OD				
S.S PIPE 127.0 MM (5") OD				



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S.S PIPE 152.4 MM / (6 ") OD				
S.S PIPE 203.2 MM / (8 ") OD				
S.S PIPE 254.0 MM / (10 ") OD				
S.S PIPE 304.8 MM / (12 ") OD				
SS PIPE SCH- 5 , 15 NB				
SS PIPE SCH- 5 , 20 NB				
SS PIPE SCH- 5 , 25 NB				
SS PIPE SCH- 5 , 40 NB				
SS PIPE SCH- 5 , 50 NB				
SS PIPE SCH- 5 , 65 NB				
SS PIPE SCH- 5 , 80 NB				
SS PIPE SCH- 5 , 100 NB				
SS PIPE SCH- 5 , 150 NB				
SS PIPE SCH- 5 , 200 NB				
SS PIPE SCH- 10 , 15 NB				
SS PIPE SCH- 10 , 20 NB				
SS PIPE SCH- 10 , 25 NB				
SS PIPE SCH- 10 , 40 NB				
SS PIPE SCH- 10 , 50 NB				
SS PIPE SCH- 10 , 65 NB				
SS PIPE SCH- 10 , 80 NB				
SS PIPE SCH- 10 , 100 NB				
SS PIPE SCH- 10 , 150 NB				
SS PIPE SCH- 10 , 200 NB				
Pipe Line Support & Structure Fabrication with Anchor fastner fitting Rate for SS Jobs Pre KG	___ Per KG.			
Pipe Line & Structure Removing Rate for SS Jobs Per KG	___ per KG.			
Shut Down For SS Piping Charges.	___ per visit			



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	SIZE IN MM	Cutting Rs/No	Welding Rs/Joint	ERRECTION Rs/MTR
FLAT BAR	50*8			
	30*5			
	20*5			
	50*5			
ANGLE	25*25*5			
	40*40*4			
SQUARE PIPE	25*25*2			
	40*40*2			
	50*50*2			
	65*65*2			
ROD	6			
	8			
	10			
	12			

Above rates are excluding of applicable GST.

All above rates for the argon welding as well as electric arc welding works. Arc welding should be Advani or Esab make.


Separate fitting charge for bend/union/tee/flange/reducer/valve will not be given to you.

SS 304 I,308 I & 316 I,309 & 309 I filler rod & purge welding required for good quality workmanship.

During the work, experience team of welder/fitter & supervisor required.

All the tools & tackles should be born by you.

Filler rod should be raj-ratna make only and arc-welding rod should be advani or esab make only.

Please send your rates in this formate only with your stamp & signature.		
		Stamp & Signature of Contractor.