

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
SATISH DHAWAN SPACE CENTRE SRIHARIKOTA (SDSC SHAR)
NELLORE**

Tender for Painting of safety systems SS/CS pipelines at FP/SLP/BSF.

Bids to be submitted online

Tender No.: SDSC SHAR/LSSF PURCHASE/SH202100036301 dated 24-09-2021

A. Tender Details

Tender No : **SDSC SHAR/LSSF PURCHASE/SH202100036301**

Tender Date : **24-09-2021**

Tender Classification: **SERVICES**

Purchase Entity : **LSSF PURCHASE**

Centre : **SATISH DHAWAN SPACE CENTRE SRIHARIKOTA
(SDSC SHAR)**

Painting of safety systems SS/CS pipelines at FP/SLP/BSF.

Painting of safety systems SS/CS pipelines at FP/SLP/BSF on PT Two part basis.

A.1 Tender Schedule

Bid Submission Start Date : **24-09-2021 17:20**

Bid Clarification Due Date : **30-09-2021 16:00**

Bid Submission Due Date : **21-10-2021 16:00**

Bid Opening Date : **22-10-2021 14:30**

Price Bid Opening Date : **22-11-2021 16:30**

B. Tender Attachments

Technical Write-up/Drawings

Document : Specifications for painting contract

Instructions To Vendors

2. We are proposing to invite Tenders in Two Parts viz., Part-I Techno and Commercial & Part-II Price. All Tenderers are requested to follow carefully the following instructions before preparing their offer.

1.PART- I- TECHNO COMMERCIAL BID -

(1)This part should contain detailed Specifications of the items quoted by you along with Technical Literature and Leaflets if any.

(2)All the Commercial terms and Conditions applicable also should be indicated separately under separate heads.

(3)The Commercial terms such as delivery terms, delivery period, payment terms, warranty, validity of the offer, Installation & Commissioning, Duties and Taxes etc shall come into this.

(4)Either Technical Specifications or Terms & Conditions as above should be very clearly reflected items wise with reference to the items called for in the tender.

(5)Please not those Prices should not be indicated in this part.

(6)Any deviations from the Technical Specifications and Commercial Terms shall be indicated separately.

2.PART II PRICE BID

(1)The prices applicable for the items, item wise in response to the tender shall come into this part.

(2)Tender shall indicate very clearly item wise prices with reference to their Technical Offer.

C. Bid Templates

C.1 Technical Bid - Painting of safety systems SS/CS pipelines at FP/SLP/BSF.

- 1. Painting of Gas pipe lines : Painting of pipe lines in yard (up to 1.5 mts above ground level):Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: above 200 NB**
- 2. Painting of Gas pipe lines : Painting of pipe lines in yard (up to 1.5 mts above ground level):Cleaning and Painting of supports L angles, channels and flats 100 to 200 mm**
- 3. Painting of Gas pipe lines : Painting of pipe lines in trench(1.5 mts below ground level): Painting of CS pipe lines including removal of U-clamps, cleaning and fitting of U- clamps after painting. Size: 15 NB to 50 NB**
- 4. Painting of Gas pipe lines : Painting of pipe lines in trench (1.5 mts below ground level): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: 65 NB to 100 NB**
- 5. Painting of Gas pipe lines: Painting of pipe lines in trench (1.5 mts below ground level): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: above 100 NB up to 200 NB**
- 6. Painting of Gas pipe lines: Painting of pipe lines in trench (1.5 mts below ground level): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: above 200 NB**
- 7. Painting of Gas pipe lines:Painting of pipe lines in trench (1.5 mts below ground level): Cleaning and Painting of supports L angles, channels and flats 50 to 100 mm**
- 8. Painting of Gas pipe lines: Painting of pipe lines in trench (1.5 mts below ground level): Cleaning and Painting of supports L angles, channels and flats 100 to 200 mm**
- 9. Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fitting of U- clamps after**

painting. Size: 15 NB to 50 NB

10. Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: 65 NB to 100 NB

11. Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: above 100 NB up to 200 NB

12. Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: above 200 NB

13. Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Cleaning and Painting of supports L angles, channels and flats below 50 mm

14. Painting of Gas pipe lines : Painting of pipe lines(above 1.5 mts to 4 mts height): Cleaning and Painting of supports L angles, channels and flats 50 to 100 mm

15. Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Cleaning and Painting of supports L angles, channels and flats 100 to 200 mm

16. Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fitting of U- clamps after painting. Size: 15 NB to 50 NB

17. Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: 65 NB to 100 NB

- 18. Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: above 100 NB up to 200 NB**
- 19. Painting of Gas pipe lines : Painting of pipe lines (above 4 mts up to 7 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: above 200 NB**
- 20. Painting of Gas pipe lines: Painting of pipe lines (above 1.5 mts up to 80 mts height inside ACOSS tower): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: 100 NB**
- 21. Painting of Gas pipe lines: Painting of pipe lines (above 1.5 mts up to 80 mts height inside ACOSS tower): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U- clamps after painting. Size: 800 NB, 1600NB & 2000NB**
- 22. Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Cleaning and Painting of supports L angles, channels and flats below 50 mm**
- 23. Painting of Gas pipe lines : Painting of pipe lines (above 4 mts up to 7 mts height): Cleaning and Painting of supports L angles, channels and flats 50 to 100 mm**
- 24. Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Cleaning and Painting of supports L angles, channels and flats 100 to 200 mm**
- 25. Painting of Gas pipe lines: Painting of pipe lines (above 1.5 mts up to 80 mts height in side ACOSS OHT tower): Cleaning and Painting of supports L angles, channels and flats (ISA: 25-125; ISMC: 125-200)**
- 26. Painting of Gas pipe lines: Cleaning & Painting of tanks and vessels (height from 1 m to 4 m from ground level)**
- 27. Painting of Gas pipe lines : Cleaning & painting of platforms (height 3 m from ground level)**

28. Painting of Gas pipe lines: Cleaning & painting of Platforms (Size of paltform Ranges from 0.5 Sq.m to 10 Sq.m) (height 3 m from ground level) (above 1.5 mts up to 80 mts height inside ACOSS tower and in yard/JDD at a height of 15mts)

29. Painting of Gas pipe lines: Cleaning & painting of Handrail (25mm & 32mm, 40mm) (Above 1.5 m upto 80 mts height inside ACOSS tower)

30. Painting of Gas pipe lines: Tag numbering of flow components, ex: VM 1234 up to 2" height

31. Painting of Gas pipe lines: Tag numbering of flow components, ex: VM 1234 from 2" to 4" height

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	The contractor has to confirm the following points towards the compliance of the techno commercial terms, without which the offer will not be considered.	Confirm/ Not-Confirmed	Yes / No / Explain		
2	The tender document each page was studied fully, understood the technical specifications, terms and conditions of the document and are acceptable.(pages 1 to 20)	Yes/No	Yes / No / Explain		
3	The tender document each page is signed, stamped (each page) and submitted.	Yes/No	Yes / No / Explain		

4	Validity of the contract: Prices offered shall be valid for a period of two years from the date of placement of order. (Specifications /General condition:2.1)	Yes/No	Yes / No / Explain		
5	In case of in completion of the work , work order can be extended to a period of one more year(Max)The contractor shall maintain the same quoted price for this extended period.(Specifications/General condition:2.1)	Yes/No	Yes / No / Explain		
6	Removal of the Clamps from the pipe lines before painting and clamping back after completion of the painting.	Yes/No	Yes / No / Explain		
7	It is the responsibility of the painter to safe guard the Clamps, Shim plates, Nuts & Lock nuts. If any item is lost, he has to procure the same on his own and install. (Specifications /General condition:3.4)	Yes/No	Yes / No / Explain		

8	All the equipment like spray painting equipment, painting brushes, painting tools, consumables etc., for removing rust, mill scales, and old paint coats are in the scope of supplier only. (Specifications /General condition:3.5)	Yes/No	Yes / No / Explain		
9	As the works are continuous, bidder has to deploy a minimum of 4 painters per day on daily basis. However, based on additional requirement bidder should be in a position to deploy another 2 painters. (Specifications /General condition:3.6)	Yes/No	Yes / No / Explain		
10	The additional requirement of painters will be informed to the supplier one week ahead of actual requirement. (Specifications /General condition:3.6)	Yes/No	Yes / No / Explain		

11	Supplier has to deploy the skilled personnel having good experience in Arts, writing Name Boards for executing jobs especially for Letters & Numbers writing. (Specifications /General condition:3.7)	Yes/No	Yes / No / Explain		
12	Supplier has to maintain sufficient number of buffer painters to meet the leave / medical requirements of his employees. (Specifications /General condition:3.8)	Yes/No	Yes / No / Explain		
13	Necessary ladders, Scaffolding for approaching of higher elevations is in the scope of contractor. (Specifications /General condition:3.9)	Yes/No	Yes / No / Explain		
14	To carry out the painting works as listed in annexure-5, Bidder shall provide an approximate requirement of consumables as specified in Specifications/ General condition:3.11	Yes/No	Yes / No / Explain		

15	All the painters shall be skilled ones in carrying out the polyurethane painting. Practical Skill test will be conducted to the proposed persons if necessary. (Specifications/General condition:3.13)	Yes/No	Yes / No / Explain		
16	The quantum of painting works are as listed in annexure-5. (Specifications/General condition:5.1)	Yes/No	Yes / No / Explain		
17	Quantity variation of + 10% is expected in the list of painting works mentioned in Annexure-5. However the payment will be made for the actual quantity of works executed. (Specifications/General condition:5.2)	Yes/No	Yes / No / Explain		
18	If supplier is unable to complete the works within the contract period, a penalty will be levied on the supplier as per Specifications/General condition:5.3	Yes/No	Yes / No / Explain		

19	If department is unable to provide the facilities due to its own reasons, the contract period will be extended for one more year. The quoted prices shall be valid for one more year. (Specifications /General condition:5.4)	Yes/No	Yes / No / Explain		
20	Transportation of the painters to working site is in the scope of contractor. (Specifications /General condition:6.3)	Yes/No	Yes / No / Explain		
21	Payment shall be made on pro-rata work basis after review of the completion of work & duly certified by the Engineer-in-charge(One bill per month).(Specifications/General condition:8.1)	Yes/No	Yes / No / Explain		
22	While submitting the invoice / bill for the works completed, Supplier has to annex the copy of documents related to previous month wages payment list, EPF, ESI payment to his employees. (Specifications /General condition:8.3)	Yes/No	Yes / No / Explain		

23	Mode of Tender: Two part tender basis Viz: Techno commercial bid & Price bid seperately. (Specifications /General condition:9.1)	Yes/No	Yes / No / Explain		
24	Part-1 (Techno-Commercial Bid): Bidder shall confirm specifications mentioned in Tender document, annexures and check lists. Tenders fulfilling the above conditions only will be short listed for Price bid opening. (Specifications /General condition:9.2)	Yes/No	Yes / No / Explain		
25	A signed, stamped, scanned copy of this Tender along with the Techno-commercial proposal as a token of acceptance of Tender terms & conditions (page no.1 to 20). (Specifications /General condition:9.2.1)	Yes/No	Yes / No / Explain		
26	Signed, stamped Techno-commercial bid format(Annexure-2) (Specifications /General condition:9.2.2)	Yes/No	Yes / No / Explain		

27	Compliance to Techno-commercial terms indicated in Annexure-3 duly signed, stamped. (Specifications /General condition:9.2.3)	Yes/No	Yes / No / Explain		
28	Signed, stamped, Unfilled price bid format, Annexure-4. (Specifications /General condition:9.2.4)	Yes/No	Yes / No / Explain		
29	Deviations if any with reference to Techno-Commercial terms and conditions shall be clearly brought out under deviations list (Annexure-7).	Yes/No	Yes / No / Explain		
30	If deviations are not listed separately as per annexure-7, it will be presumed that bidder is adhering to all the technical and commercial conditions given in the document. (Specifications /General condition:9.2.5)	Yes/No	Yes / No / Explain		
31	Price Bid has to be filled with cost in e-procurement portal. (Specifications /General condition:9.3.1)	Yes/No	Yes / No / Explain		

32	Signed, stamped, filled Minimum wages confirmation form (Annexure-6). (Specifications /General condition:9.3.2)	Yes/No	Yes / No / Explain		
33	Award of contract: In order to have better control on work quality and as the works are inter related, Contract will be awarded on Overall L1 basis only. (Specifications /General condition:10.0)	Yes/No	Yes / No / Explain		
34	The Bidder shall guarantee faithful execution of the contract in accordance with the terms and conditions specified herein. As a performance security, the Bidder shall furnish a Security Deposit as per Specifications/ General condition:11.1	Yes/No	Yes / No / Explain		
35	Invoking of Security Deposit as per Specifications/ General condition:11.2	Yes/No	Yes / No / Explain		

36	The contractor shall wherever applicable, obtain license under the Contract Labour Act, 1970 and as per the Specifications/ General condition:12.1	Yes/No	Yes / No / Explain		
37	The contractor shall ensure minimum wages as prescribed in minimum wages Act as per the State / Central Government Act/ as per Register of Wages-cum-Muster Roll of Contract Labour Act 1970. (Specifications /General condition:12.2)	Yes/No	Yes / No / Explain		
38	It is mandatory to have ESI to all the personnel engaged in the job for the period of contract. The proof of such claim should be submitted before starting the work and whenever demanded. (Specifications /General condition:12.3)	Yes/No	Yes / No / Explain		
39	GST shall be payable extra against documentary evidence. (Specifications /General condition:12.4)	Yes/No	Yes / No / Explain		

40	To ensure statutory payments like EPF as per Act. (Specifications /General condition:12.5)	Yes/No	Yes / No / Explain		
41	Income Tax at the prevailing rate as applicable shall be deducted from the Successful Bidder's bill as per the Income Tax Act, 1961 and as per Specifications/ General condition:12.6	Yes/No	Yes / No / Explain		
42	Contractor shall provide indemnity Bond as per the Specifications/ General condition:12.7	Yes/No	Yes / No / Explain		
43	Wages payment terms and conditions as per Specifications/ General condition:12.8	Yes/No	Yes / No / Explain		
44	SDSC SHAR reserves the right to cancel the contract/purchase order as per the Specifications/ General condition:13.1	Yes/No	Yes / No / Explain		
45	SDSC SHAR has the right to advise Contractor for termination as per the Specifications/ General condition:13.2	Yes/No	Yes / No / Explain		

46	General working hours in SDSC SHAR will be from 0900 hours to 1730 hrs .In case of exigency of work, the persons deployed shall be ready to work beyond office hours. (Specifications /General condition:13.4)	Yes/No	Yes / No / Explain		
47	As the painting works are continuous, 24 working days per month has to be planned by the contractor. In case of exigency of work, painting works shall be carryout on holidays also as demanded by Department. (Specifications /General condition:13.5)	Yes/No	Yes / No / Explain		
48	SDSC-SHAR will not be responsible for any injury, accident, death occurs to the contractor's personnel while discharging the duties at SDSC-SHAR. (Specifications /General condition:13.6)	Yes/No	Yes / No / Explain		

49	Damage if any to the equipment/system during the servicing will be deducted from the contractor. (Specifications /General condition:13.8)	Yes/No	Yes / No / Explain		
50	The contractor and/or his personnel shall strictly adhere to all the departmental security norms/provisions of SDSC-SHAR. (Specifications /General condition:13.9)	Yes/No	Yes / No / Explain		
51	Change of painters will not be accepted without prior approval of the competent authority. (Specifications /General condition:13.11)	Yes/No	Yes / No / Explain		
52	Support shall be extended on all working days of SDSC-SHAR. Services shall also be provided on Saturdays and on any other holiday in case of need. (Specifications /General condition:13.12)	Yes/No	Yes / No / Explain		

53	The contractor shall have carried out minimum three orders of each worth 10 lakhs and above (or) two orders of each 15 lakhs and above (or) one order of 21 lakh and above works related to Painting works with in last five financial years.	Yes/No	Yes / No / Explain		
54	A copy of proof of works shall be submitted (attached) along with quotation in which case he fails to submit proof of such works carried previously, the offer will be rejected without any intimation. (Specifications/General condition:13.13)	Yes/No	Yes / No / Explain		
55	If the orders are executed 2 years before, documentary proof for satisfactory execution/work in progress/ proof of payment receipts are to submitted along with the offer. (Specifications /General condition:13.13)	Yes/No	Yes / No / Explain		

56	Pipelines are spread through buildings, yards, high rise buildings and higher elevations in launch pad areas. So contractor should not claim for additional payment for working at higher elevations. . (Specifications /General condition:13.1 6)	Yes/No	Yes / No / Explain		
57	Confirm that the revision of minimum wages during the contract period (2 Year) is considered in the offer while quoting. It is clearly understood that the PO value will not be revised by department.	Yes/No	Yes / No / Explain		
58	Contractor has to provide monthly salary pay slip to their employees (Including auxiliary staff) preferably before 4th of every month	Yes/No	Yes / No / Explain		
59	Pay slip shall contain the details like Basic wage, DA, EPF, ESI, Bonus, any other allowances and details of any deduction etc.	Yes/No	Yes / No / Explain		

60	Monthly wages will be paid to the contract employees from contractor own sources even if department delays payments on valid grounds	Yes/No	Yes / No / Explain		
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Supporting Documents required from Vendor

- 1. Fill and submission of " exceptions and deviations form" as per annexure-7**
- 2. Fill and submission of minimum wage confirmation form as per annexure-6**
- 3. Compliance for scope of work as per annexure-5**
- 4. Fill and submission of price bid format as per annexure-4**
- 5. Acceptance, Fill and submission of compliance for techno commercial terms as per annexure-3**
- 6. Acceptance, fill and submission of techno commercial bid form as per annexure-2**
- 7. Acceptance and submission of Specifications/General Conditions as per annexure-1**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	The supplier shall submit the offer in adherence with the specifications given. Any deviation or non-conformance shall be clearly spelt out in the offer	Yes / No / Explain	
2	Mention the GST Registration No. & enclose a copy of GST Registration. GST No. for SHAR- GSTIN: 37AAAGS1366J1Z1	Yes / No / Explain	
3	Please provide an undertaking for the compliance of all Labour Laws as applicable from time to time including Minimum Wages Act, Payment of ESI/ EPF/ GST etc.	Yes / No / Explain	
4	INCOME TAX: Income Tax at the prevailing rate as applicable from time to time shall be deducted from the successful Bidders bill as per the Income Tax Act, 1961 and the rules there-under or any re-enactment or Modifications thereof.	Yes / No / Explain	
5	Remarks if any	Yes / No / Explain	
6	Delivery Period/Contract Period	Yes / No / Explain	
7	GST/IGST (Please mention percentage clearly in Price Bid. If not indicated, It will be assumed to be inclusive as per prevailing rate and further request for amendment will not be entertained)	Yes / No / Explain	
8	SECURITY DEPOSIT (SD) :- 03% of the Contract value of the order shall be deposited with SDSC immediately after release of contract towards Security Deposit in the form of Bank Guarantee towards performance of the Contract valid till completion of the contract period plus sixty days towards claim period. (This will be returned by SDSC immediately on execution of the Contract satisfactorily as per terms and conditions. If not, the amount will be forfeited).	Yes / No / Explain	

9	The Contractor shall verify/certify the conduct of the work force at frequent intervals. If any of the work force misbehaves or commits any misconduct, SDSC SHAR reserves the right to refuse permission to such persons to enter the premises and such work force shall be withdrawn by the contractor immediately.	Yes / No / Explain	
10	Please furnish Name and Address of the party to whom Order to be placed along with Contact details i.e. valid E-mail id, Mobile no/ Landline no. etc.	Yes / No / Explain	
11	The Contractor should have license to engage laborers under the provisions of Contract Labour (Regulation & Abolition) Act, 1970.	Yes / No / Explain	
12	VALIDITY OF OFFER: - In case of single part tender - the validity of offers/tenders should be 90 days. In two part tender - 120 days from the date of opening of Part-I bid and 60 days from the date of opening of Part-II bid. Tenders shorter than offer validity mentioned above will not be considered for evaluation.	Yes / No / Explain	
13	Please provide an undertaking for the compliance of all Labour Laws as applicable from time to time including Minimum Wages Act, Payment of ESI/ EPF/ GST etc.	Yes / No / Explain	
14	Mention the EPF Registration No. & enclose a copy of EPF registration.	Yes / No / Explain	
15	Mention the ESI Registration No. & enclose a copy of ESI registration..	Yes / No / Explain	
16	DELIVERY TERM: - FOR: SDSC SRIHARIKOTA	Yes / No / Explain	
17	Liquidated damages: You have to supply man power to complete the work as per the direction of contract manager within the period specified. If you fail to do so, LD will be levied at the rate of 0.5% per week or part thereof subject to a maximum of 10% of the order value for the delayed period of Service/Scope of work	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
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1	Painting of Gas pipe lines : Painting of pipe lines in yard (up to 1.5 mts above ground level):Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: above 200 NB	7000.00 m2				
2	Painting of Gas pipe lines : Painting of pipe lines in yard (up to 1.5 mts above ground level):Cleaning and Painting of supports L angles, channels and flats 100 to 200 mm	1000.00 m				
3	Painting of Gas pipe lines : Painting of pipe lines in trench(1.5 mts below ground level): Painting of CS pipe lines including removal of U-clamps, cleaning and fitting of U-clamps after painting. Size: 15 NB to 50 NB	200.00 m				

4	Painting of Gas pipe lines : Painting of pipe lines in trench (1.5 mts below ground level): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: 65 NB to 100 NB	300.00 m		-		
5	Painting of Gas pipe lines: Painting of pipe lines in trench (1.5 mts below ground level): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: above 100 NB up to 200 NB	500.00 m		-		
6	Painting of Gas pipe lines: Painting of pipe lines in trench (1.5 mts below ground level): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: above 200 NB	700.00 m2		-		

7	Painting of Gas pipe lines:Painting of pipe lines in trench (1.5 mts below ground level): Cleaning and Painting of supports L angles, channels and flats 50 to 100 mm	200.00 m					
8	Painting of Gas pipe lines: Painting of pipe lines in trench (1.5 mts below ground level): Cleaning and Painting of supports L angles, channels and flats 100 to 200 mm	200.00 m					
9	Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fitting of U-clamps after painting. Size: 15 NB to 50 NB	1500.00 m					

10	<p>Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: 65 NB to 100 NB</p>	1150.00 m		-		
11	<p>Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: above 100 NB up to 200 NB</p>	1350.00 m		-		
12	<p>Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: above 200 NB</p>	500.00 m2		-		

13	Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Cleaning and Painting of supports L angles, channels and flats below 50 mm	250.00 m		-		
14	Painting of Gas pipe lines : Painting of pipe lines(above 1.5 mts to 4 mts height): Cleaning and Painting of supports L angles, channels and flats 50 to 100 mm	500.00 m		-		
15	Painting of Gas pipe lines: Painting of pipe lines(above 1.5 mts to 4 mts height): Cleaning and Painting of supports L angles, channels and flats 100 to 200 mm	500.00 m		-		

16	Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fitting of U-clamps after painting. Size: 15 NB to 50 NB	1000.00 m		-		
17	Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: 65 NB to 100 NB	600.00 m		-		
18	Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: above 100 NB up to 200 NB	500.00 m		-		

19	Painting of Gas pipe lines : Painting of pipe lines (above 4 mts up to 7 mts height): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: above 200 NB	400.00 m2		-		
20	Painting of Gas pipe lines: Painting of pipe lines (above 1.5 mts up to 80 mts height inside ACOSS tower): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: 100 NB	300.00 m		-		

21	Painting of Gas pipe lines: Painting of pipe lines (above 1.5 mts up to 80 mts height inside ACOSS tower): Painting of SS/CS pipe lines including removal of U-clamps, cleaning and fixing of U-clamps after painting. Size: 800 NB, 1600NB & 2000NB	1000.00 m2				
22	Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Cleaning and Painting of supports L angles, channels and flats below 50 mm	100.00 m				
23	Painting of Gas pipe lines : Painting of pipe lines (above 4 mts up to 7 mts height): Cleaning and Painting of supports L angles, channels and flats 50 to 100 mm	100.00 m				

24	Painting of Gas pipe lines: Painting of pipe lines (above 4 mts up to 7 mts height): Cleaning and Painting of supports L angles, channels and flats 100 to 200 mm	200.00 m		-		
25	Painting of Gas pipe lines: Painting of pipe lines (above 1.5 mts up to 80 mts height in side ACOSS OHT tower): Cleaning and Painting of supports L angles, channels and flats (ISA: 25-125; ISMC: 125-200)	4800.00 m		-		
26	Painting of Gas pipe lines: Cleaning & Painting of tanks and vessels (height from 1 m to 4 m from ground level)	1200.00 m2		-		
27	Painting of Gas pipe lines : Cleaning & painting of platforms (height 3 m from ground level)	5000.00 m2		-		

28	Painting of Gas pipe lines: Cleaning & painting of Platforms (Size of platform Ranges from 0.5 Sq.m to 10 Sq.m) (height 3 m from ground level) (above 1.5 mts up to 80 mts height inside ACOSS tower and in yard/JDD at a height of 15mts)	1200.00 m2				
29	Painting of Gas pipe lines: Cleaning & painting of Handrail (25mm & 32mm, 40mm) (Above 1.5 m upto 80 mts height inside ACOSS tower)	800.00 m				
30	Painting of Gas pipe lines: Tag numbering of flow components, ex: VM 1234 up to 2" height	3000.00 Nos.				
31	Painting of Gas pipe lines: Tag numbering of flow components, ex: VM 1234 from 2" to 4" height	1000.00 Nos.				

Common charges (Applicable for all items)

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