



NEW MANGALORE PORT AUTHORITY

Mechanical Engineering Department

Panambur, Mangalore - 575 010

Phone: 0824 - 2887730 / 701

No: 20/114/2022-23/EE(M)III-TS(OTM)

Dated 16/03/2023

To,

The Intended Tenderers,

Sir,

Sub: NMPA - Mechanical Engineering Dept. - Increase of height of existing exhaust line of Diesel Engines of Fire Pump House No.3, Booster Pump House and Foam Pump Houses of Berth Nos. 11 & 12 - Budgetary Quotations invited - Reg.

Budgetary Quotations are invited for the subject work as per the Bill of Quantity, Scope of Work and the Terms & Conditions as detailed below:

Bill of Quantity (BoQ)

Sl. No.	Description	Units	Qty.	Rate Per unit Rs. Ps	Amount Rs. Ps
(1)	(2)	(3)	(4)	(5)	(6)
1)	Increase of height of existing 150 NB exhaust line of Diesel Engines of DED Hydrant Pumps of Fire Pump House No.3				
i)	Cutting of existing 150 NB exhaust line outside the Fire Pump House No.3 and welding of approximately 400 mm length 150 NB 'B' class ERW pipe (spool piece) including supply of spool piece pipe (2 weld joints) Note: The spool piece to be provided so that the gap between the roof top parapet wall and the vertical pipe is 100 mm for maintenance viz. painting work.	Nos.	05		
ii)	Cutting of top bend of existing exhaust line and welding of 5 mtr length 150 NB 'B' class ERW pipe (spool piece) including supply of spool piece pipe (2 weld joints).	Nos.	05		

iii)	Providing 3 Nos. new wall mounted supports to the above pipeline as per existing from ISMC 100, 16 mm base plate & M12 x 100 mm GI anchor fastener and 6 " GI U rod clamp	Nos.	05		
iv)	Providing approx. 4 mtr height ISMC 100 channel support with 250 mm x 250 mm x 16 mm thick base plate welding at one end of the channel & fixing to floor using M12 x 100 mm GI anchor fastener and welding of ISMC 100 x 350 mm length channel at the other end of channel and supporting the exhaust pipe bottom using 6" GI U rod clamp.	Nos.	05		
v)	Providing single ISMC 100 channel support at the roof top floor of FPH No.3 as per the ketch shown at ANNEXURE .A	Nos.	05		
vi)	Supply & applying two coat Heat Resistant Paint (Temp. resistance up to 600°C - Aluminium) to the newly provided spool piece pipes & pipe supports and also for existing exhaust line.	Nos.	05		
	Note: 1) Supply of all the required spool piece pipe, pipe support structural, anchor fastener, GI U rod clamp, paint etc. complete required for increase of height of the existing exhaust line and laying/fixing shall be in the scope of the contractor. 2) Necessary Scaffolding for carrying out the above work to be carried out by the Contractor.				
2)	Increase of height of existing 300 NB exhaust line of Diesel Engines of DED Monitor Pumps of Fire Pump House No.3				
i)	Cutting of existing 300 NB exhaust line inside the Fire Pump House No.3 and welding of approximately 700 mm length 300 NB 'B' class ERW pipe (spool piece) including supply of spool piece pipe (2 weld joints).	Nos.	03		

	Note: The spool piece to be provided so that the gap between the roof top parapet wall and the vertical pipe is 100 mm for maintenance viz. painting work.				
ii)	Cutting of top bend of existing exhaust line and welding of 5 mtr length 300 NB 'B' class ERW pipe (spool piece) including supply of spool piece pipe (2 weld joints).	Nos.	03		
iii)	Providing 3 Nos. new wall mounted supports to the above pipeline as per existing from ISMC 100, 16 mm base plate & M12 x 100 mm GI anchor fastener and 12" GI U rod clamp	Nos.	03		
iv)	Providing approx. 4 mtr height ISMC 100 channel support with 250 mm x 250 mm x 16 mm thick base plate welding at one end of the channel & fixing to floor with M12 x 100 mm GI anchor fastener and welding of ISMC 100 x 550 mm length channel at the other end of channel and supporting the exhaust pipe bottom using 12" GI U rod clamp.	Nos.	03		
v)	Providing double ISMC 100 channel support with ribs at the roof top floor of FPH No.3 as per the sketch shown at ANNEXURE .A	Nos.	03		
vi)	Supply & applying two coat Heat Resistant Paint (Temp. resistance up to 600°C - Aluminium) to the newly provided spool piece pipes & pipe supports and also for existing exhaust line.	Nos.	03		
	Note: 1) Supply of all the required spool piece pipe, pipe support structural, anchor fastener, GI U rod clamp, paint etc. complete required for increase of height of the existing exhaust line and laying/fixing shall be in the scope of the contractor. 2) Necessary Scaffolding for carrying out the above work to be carried out by the Contractor.				

3)	Increase of height of existing 3" size exhaust line of Diesel Engines of DED Foam Pump at Booster Pump House of Fire Fighting Facilities of Berth No. 13				
i)	<p>Cutting of existing 3" exhaust line inside the Booster Pump House of Berth No.13 and welding of approximately 1.6 mtr length 3" 'B' class ERW pipe (spool piece) at one end & 3" 'B' class ERW bend at the other end including supply of spool piece pipe & bend (2 weld joints).</p> <p>Supply & laying of approximately 10.5 mtrs. of 3" 'B' class ERW pipe with fittings from the above bend point upto 1 mtr. height above the roof top parapet wall of Booster Pump House with bend & flange arrangement (1 No. Bend & 2 Nos. flange) at the top for fixing of spark arrester/muffler at the end.</p> <p>4 Nos. wall mounting supports from ISMC 100, 16 mm base plate & M12 x 100 mm GI anchor fastener and 3" SS U rod clamp. One No. single ISMC 100 channel support from the roof top of Booster Pump House to be provided as per the sketch shown at ANNEXURE .A</p> <p>Note:</p> <p>1) The gap between the roof top parapet wall and the vertical pipe is 100 mm for maintenance viz. painting work.</p> <p>2) Port will provide ladder van for erection of vertical exhaust line only for this item of work.</p>	Lump sum	Lump sum		
ii)	Providing approx. 2.5 mtr height ISMC 100 channel support with 250 mm x 250 mm x 16 mm thick base plate welding at one end of the channel & fixing to floor with M12 x 100 mm GI anchor fastener and welding of ISMC 100 x 250 mm length channel at the other end of channel and supporting the exhaust pipe bottom using 3" SS U rod clamp.	Lump sum	Lump sum		

iii)	Supply & applying two coat Heat Resistant Paint (Temp. resistance up to 600°C - Aluminium) to the newly provided spool piece pipe, extension pipe & fittings and pipe supports.	Lump sum	Lump sum		
	<p>Note:</p> <p>1) Supply of all the required spool piece pipe, pipe, pipe support structural, anchor fastener, SS U rod clamp, paint etc. complete required for increase of height of the existing exhaust line and laying/fixing shall be in the scope of the contractor.</p>				
4)	Increase of height of existing 2.5" size exhaust line of Diesel Engine of DED Foam Pump of Berth No. 11				
	<p>Cutting of existing 2.5" exhaust line outside the Foam Pump House of Berth No.11 and extension of height of the exhaust line for 3.5 mtrs length/height including supply of 2.5" 'B' class ERW pipe with fittings (02 Nos. bends & 02 Nos. flanges) by welding, with proper support for holding the exhaust line on the top of the roof and also on the parapet wall.</p> <p>Supply & applying two coat Heat Resistant Paint (Temp. resistance up to 600°C - Aluminium) to the above extended exhaust line & fittings and pipe supports.</p>	Lump sum	Lump sum		
5)	Increase of height of existing 2.5" size exhaust line of Diesel Engine of DED Foam Pump of Berth No. 12				
	Cutting of existing 2.5" exhaust line inside the Foam Pump House of Berth No.12 and welding of 2.5" 'B' class ERW spool piece pipe of approximately 600 mm length at one end and bend at the other end including supply of pipe & bend.	Lump sum	Lump sum		



	And extension of height of the exhaust line for 6 mtrs length including supply of 2.5" 'B' class ERW pipe with fittings (01 No. bend & 02 Nos. flanges) by welding with "C" clamp and providing proper wall support for holding the exhaust line. Supply & applying two coat Heat Resistant Paint (Temp. resistance up to 600°C - Aluminium) to the above extended exhaust line & fittings and pipe supports.				
6	Providing 100 NB Port Hole on the exhaust line of diesel engine driven Monitor & Hydrant Pumps Engine exhaust line of Fire Pump House No.3. The scope of work includes supply of 100 NB 'C' class ERW pipe of 150 mm length and 1 No. each 100 NB flange & blind flange and fixing to the exhaust line by welding.	Nos.	08		
	Sub Total of 1 to 6 inclusive of all taxes & duties excluding GST				
	GST @.....%, if any				
	Total inclusive of GST				

(Rupees.....)

Terms and conditions:

1. The rate quoted shall be inclusive of all taxes & duties excluding GST and the same is firm & final. The rate quoted shall be inclusive of all expenses such as labour cost, material cost, consumables required for the work, fasteners, transportation, tools & tackles, other incidental charges etc. complete required for successful completion of the subject work excluding GST. GST item shall be shown separately in the Bill of Quantity. GST as applicable shall be paid extra.
2. The rate quoted should be valid for at least 30 **days** from the due date of submission of offer.
3. The Tenderer may visit the work site and get acquainted himself with the site conditions, nature of work involved & supply of items required for execution of work, before quoting, taking prior appointment with the undersigned. Any assistance in this regard will be provided by the Department.



4. (i) The work shall be commenced within 10th day from the date of issue of work order. The time allowed for completion of work is 9 working days for *BOQ items at SI No. 1, 2 & 3 i.e. 1 day each for each engine exhaust line.* The time allowed for completion of BOQ item at SI No. 4 & 5 is one working day each.
(ii) During of the Berthing of Oil Tankers at Oil Jetty, the permission for carrying out the Welding/Chipping/Hot Work will not be allowed. Number of days for the completion of the work will be counted the days of non-occupancy of tankers in the respective Berths.
5. LIQUIDATED DAMAGES: In case of delay in completion of the work, liquidated damages (L.D) may be levied at the rate of 0.5% of the contract price plus applicable GST per week of delay, or part thereof subject to a maximum of 10 percent of the contract price.
6. The contractor is required to be equipped with manpower and materials, equipment, tools & tackles, consumables etc. required for carrying out the work at all time and commence the work within 24 Hrs. after the information is passed on to him regarding the free availability of Jetty.
7. The contractor shall obtain hot work permission from the competent authority of NMPA for carrying out the hot works. The copy of the same shall be given to AEE(M), OTM Sub Div. before commencing the works.
8. Free electricity and water supply will be given for the said works.
9. Power supply shall be given to the Contractor on free of cost. Tapping of power from the source point of NMPT to the required location will have to be arranged by the Contractor at his cost conforming to IE Rules / Standards.
10. The welding electrode used for the work shall be of leading specified make of Esab, Ador, Advani etc. of IS standard and the same shall be shown to the AEE(M), OTM Sub Division before commencing the work.
11. The contractor shall be responsible for taking precautionary measures for the safety of the work men working under him and the responsibility arising due to any mishap during the execution of work, the payment of compensation, if any, lies entirely on the part of the Contractor. The Contractor has to employ skilled and competent workers for carrying out the work. The workmen shall have insurance cover during the course of execution of work.
12. Any damages to the departmental properties during the execution of works will be on contractors account.
13. The free wharf entry passes to the personnel (Red Pass) shall be provided by the Department as per the Rules. The required documents for the same shall be provided by the Contractor well in advance.
14. The work will be carried out to the entire satisfaction of Engineer in charge of the Department.



15. No advance payment will be made but 90% of Payment with 100% GST will be made within 15 days after successful commissioning of the job and submitting of bill induplicate to the undersigned. Balance 10% payment will be withheld till the completion of Guarantee period of 12 months and the same shall be release without interest after completion of Guarantee period.
16. The work carried out shall be guaranteed for a period of Twelve months from the date of satisfactory completion of the work.
17. Statutory taxes as applicable will be deducted while releasing payment.
18. The acceptance of the Quotations rests with the competent authority of NMPT who does not bind himself to accept the lowest Tender and reserves to himself the authority to reject any or all the Tenders received without assigning any reason.
19. The Budgetary offer enclosed in a sealed cover super scribed as "Increase of height of existing exhaust line of Diesel Engines of Fire Fighting Facilities of Berth No. 13, Booster Pump House and Foam Pump Houses of Berth Nos. 11 & 12" should reach to the under signed on or before 23/03/2023 at 15:00 Hrs. to the below mentioned address. Quotation will be opened on the same day at 16:00 Hrs. in the presence of the bidders who wish to be present.

Encl: ANNEXURE .A

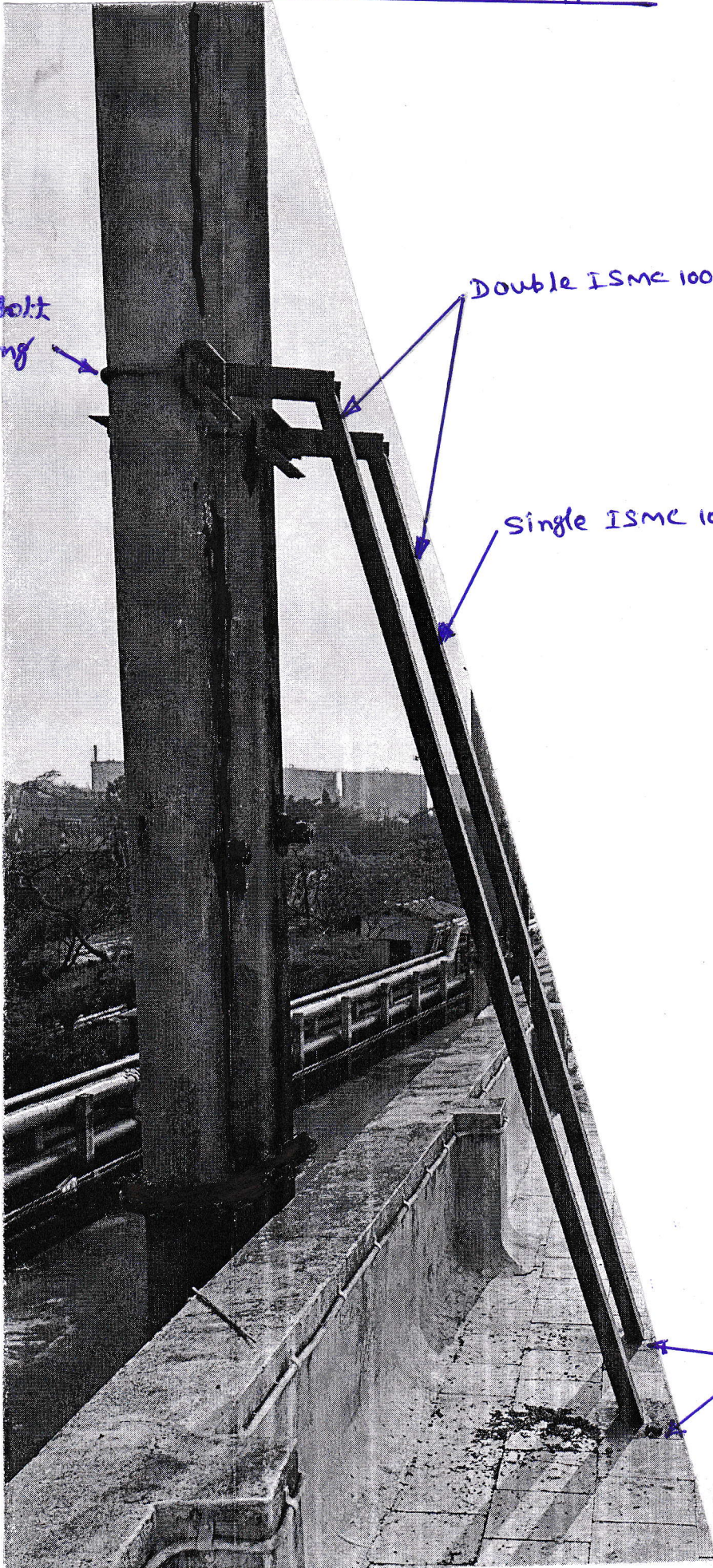


(Krishnamurthy D S)

कार्यपालक अभियंता, (एम) III
Executive Engineer, (M) III
नव मंगलूर पत्तन प्राधिकरण
New Mangalore Port Authority
पणंबूर, मंगलूर - ५७५०१०
Panambur, Mangalore - 575 010

Address for Communication:
Executive Engineer (M)III,
Administrative Building, 2nd Floor,
Room No.234,
New Mangalore Port Authority,
Panambur, Mangalore – 575010.
E mail: krishnamurthy.ds@nmpt.gov.in
Mob: 9449700435, Ph: 0824-2887730.

Schematic Diagram of single ISMC 100 and Double ISMC 100 channel support.



E.I. U Bolt Clamping

Double ISMC 100 channel support

Single ISMC 100 channel support.

250 mm x 250 mm x 16 mm thick MS plate and 4 NOS. M12 x 100 mm Anchor bolts