

# **TENDER ENQUIRY**

Dt. 03.10.2025

**Tender Ref. No: MP1/Civil works for Sewerage and sanitation system/CMSRU**

Dear Sir,

Sealed Tenders in **Two Bid**, super scribing the Enquiry Number & Last date for receipt of Quotations on the envelope, are invited in two separate covers as 'Part I Techno Commercial' & 'Part II Price' for **“CIVIL MAINTENANCE - Sewerage and sanitation system”**.

1 The offers as above should reach the undersigned on or before the last date and time shown. Tenders should be addressed to “The Deputy General Manager (CMSRU), Cochin Shipyard Ltd- Mumbai Ship Repair Unit, Mumbai Port Trust, Mumbai-400001”.

2. **Techno - Commercial offers can also be made by e-mail, with price bid duly Locked with password, before 11.00 hrs (IST) on 27 October 2025, if delivery of sealed offers cannot be ensured at CSL on the due date.**

3. The offer shall indicate payment terms and other terms and conditions.

4. Quotation should be valid for a period of 3 months.

5. Quotation can be submitted by email as a password protected document (price part only) to the following email address.

[gokul.rk@cochinshipyard.in](mailto:gokul.rk@cochinshipyard.in)

[sembian.p@cochinshipyard.in](mailto:sembian.p@cochinshipyard.in)

[cmsru.m2@cochinshipyard.in](mailto:cmsru.m2@cochinshipyard.in)

[cmsru.materials@cochinshipyard.in](mailto:cmsru.materials@cochinshipyard.in)

OR

In a sealed envelope addressed to “The Deputy General Manager (CMSRU), Cochin Shipyard Ltd- Mumbai Ship Repair Unit, Mumbai Port Trust, Mumbai-400001”.

**Last Date & Time of Receipt of Tender: 27 October 2025 at 11.00 Hrs IST.**

**Last Date & Time of Clarification 24 October 2025 at 14.00 Hrs IST.**

**Tender Opening date & time: 27 October 2025 at 11.30 Hrs IST.**

**NOTE:** Amendment if any will be notified on CSL/Govt. Website. The bidders are requested to keep themselves informed of the development by visiting CSL website [www.cochinshipyard.com](http://www.cochinshipyard.com) and the CPP portal [www.eprocure.gov.in](http://www.eprocure.gov.in) regularly. Such amendments shall be binding upon them.

**Enclosures: -**

1. Special Instruction for Two Bid Systems
2. Scope of work
3. Price bid format
4. Rules for engaging workmen in MSRU
5. Specific Terms & conditions
6. General Terms & conditions
7. Compliance matrix
8. Unprice bid
9. H&S contract
10. Special Conditions-Civil works NEW

Signed copy of following documents shall be submitted along with **unpriced Price bid format clearly indicating quoted/not quoted** against each job scope as per CSL P- bid format (Un priced bid no need to protect with password, if send as soft copy in E mail).

1. Scope of work
2. Price bid format
3. Rules & Regulations
4. Specific Terms & conditions
5. General Terms & conditions
6. Compliance matrix
7. H&S contract

**Price bid duly signed and sealed by the authorized person need to be protected with password and shall be separately attached/enclosed in the mail. Offer submitted in single bid will not be considered.**

**In case of technical queries, please contact Ms. LIZA S ABRAHAM PO(CIVIL) (Mob No.7021947798)**

Yours faithfully,

**Deputy General Manager (CMSRU)**

# **CSL-MUMBAI SHIP REPAIR UNIT (CMSRU)**

## **Mumbai**

### **SPECIAL INSTRUCTION FOR TWO BID SYSTEMS**

#### **1. MODE OF SUBMISSION OF TENDERS**

Tenders should be submitted in two separate sealed covers super scribed in capital letters as **PART-I "TECHNO-COMMERCIAL" & PART-II "PRICE"** indicating the tender number, due date and name & address of the tenderer.

#### **2. TECHNO-COMMERCIAL PART SHOULD CONTAIN FOLLOWING DETAILS:-**

- I. Drawings & Technical Literature, if any
- II. Other conditions, if any
- III. Signed and stamped copy of Scope of Work (Encl 2), Rules for engaging contractor's workmen in CSL-MSRU (Encl 4), Specific terms & Conditions (Encl 5), General Terms and Conditions (Encl 6), Compliance Matrix (Encl 7).
- IV. Deviation list, if any
- V. Price bid without price clearly indicating quoted/ not quoted against each line item/ DL(Encl:8).

#### **3. PRICE PART SHOULD CONTAIN FOLLOWING DETAILS: -**

- a. Price against each work.
- b. Taxes & duties as applicable shall be indicated.

4. CSL/CMSRU reserves the right to alter, modify the scope of supply at them discretion and consistent with the Navy Policy as applicable to the contract from time to time.

5. The Techno-commercial part alone will be opened initially on the due date and time of tender. The price part will be opened only after evaluation of the Techno commercial Part. Firms will be intimated the date of opening of the price part, whose Techno commercial bid is acceptable, in due course.

6. The tenderer shall ensure that their Indian Agent is not representing any other suppliers for the same Tender. In other words, Indian Agents are not permitted to represent more than one firm for a particular Tender.

7. Deviations, if any, in the offer submitted from that of the tender enquiry in any form, should be clearly furnished in a separate document titled as "List of Deviations".

8. Details of optional items, if any, should be indicated under separate heading in the technical bid and the respective price details should be given in the price bid.
9. After submission of quotation / price bid opening, no unsolicited correspondence will be entertained.
10. Clarifications, either technical or commercial, should be submitted to points specially asked for only. The opportunity so given should not be used for correcting/changing amending the data/conditions already submitted with the tender.
11. Price should be quoted separately for each item. Combining of figures against more than one item and ambiguous clauses will lead to rejection of the bid.
12. Offers should be clear and unambiguous. Incomplete/ambiguous offers are likely to be rejected.
13. The bidder shall submit a signed & sealed copy of the tender document including Encl 2, 4, 5, 6 ,7, 8 & 9 along with their bid as token of acceptance of terms & Conditions.
14. An Integrity Pact as per CSL/CMSRU format is to be signed and submitted later (if necessary).
15. The quantity projected in the scope of work is estimated. There may be upward/downward variations in actual quantity.

**Deputy General Manager (CMSRU)**

SCOPE OF WORK			
MP1/Civil works for sewerage and sanitation system/CMSRU			Encl.2
Sl no	Description of Work	Qty	Unit
	<b><u>EARTH WORK</u></b>		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil ,backfilling the same soil or disposal of surplus excavated soil as directed.Rate is inclusive of demolishing bituminous surface/ concrete/ rubble/ solingstone etc if any.complete.	20.00	m <sup>3</sup>
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	8.00	m <sup>3</sup>
3	Providing Form work,Centering and shuttering including strutting, propping using shuttering sheet,supporting beams, supporting jacks,wooden planks and other incidentals etc. including removal of formwork after completion of work and clearing all materials and cost and conveyance of all materials labour etc	10.00	m <sup>2</sup>
	<b><u>BRICK/BLOCK/STONE WORK</u></b>		
4	Brick work in CM 1:4 for half brick wall using class designation 7.5 for superstructure including cost and conveyance of all materials, labour, other incidentals etc complete, excluding cost of cement.		
a.	Rate for Foundation and basement	20.00	m <sup>2</sup>
b	For super structure	10.00	m <sup>2</sup>
	<b><u>FLOORING</u></b>		
5	Providing and laying plain cement concrete 1:11/2:3 using 6mm/12mm down graded IS nominal size hard broken metal after cleaning the surface including cost and conveyance of all materials, formwork, labour for mixing, laying, consolidating curing etc.complete but excluding cost of cement.	10.00	m <sup>3</sup>
6	Supplying and laying non-slippery/anti-skid ceramic flooring tiles of approved brand (Kajaria/NITCO/H&R Johnson/Somany) ,quality and colour set in CM 1:4 20mm thick and Jointing with grey cement slurry @ 3.3 kg/sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals (size 300mm x 300mm), excluding cost of cement.etc. complete	4.00	m <sup>2</sup>
7	Supplying and laying approved type and colour Vitrified flooring Tiles approved brand (Kajaria / Somany / Nitco/ Simpolo/H&R Johnson) , set in CM 1:4 20mm thick and jointing with grey cement slurry @ 3.3 kg/ sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals etc. complete, excluding cost of cement.		
a.	600x600mm	4.00	m <sup>2</sup>
8	Dismantling &Relaying the available floor tiles work in all floors of the building set in CM 1:4 20mm thick and jointing with grey cement slurry @ 3.3 kg/ sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals etc. complete, excluding cost of cement.	4.00	m <sup>2</sup>
	<b><u>FINISHING</u></b>		
9	Plastering with CM floated hard and trowelled smooth including cost and conveyance of all materials, labour, curing including scaffolding etc.complete as directed by the Engineer-in- charge but excluding cost of cement.		
a.	1:4, 12mm thk.(1cement : 4Fine sand)	25.00	m <sup>2</sup>
b.	1:3, 20mm thk.(1cement : 3Fine sand)	25.00	m <sup>2</sup>
	<b><u>DISMANTLING/DEMOLISHING</u></b>		
10	Demolishing PCC/RCC work manually/ by mechanical means including separately removing and stacking the available reinforcement and clearing away the debris as per directed by EIC etc. complete.	10.00	m <sup>3</sup>
11	Dismantling and removing tiles set in cement mortar including cleaning and stacking, serviceable materials and removing the debris as per directed by EIC etc. complete.	2.00	m <sup>2</sup>
12	Disposal of debris generated during construction/excess soil available in site to Municipal dumping ground outside CMSRU/MbPA premises and making the site clean.	10.00	m3
	<b><u>MAN POWER SUPPLY</u></b>		
13	Carrying out miscellaneous works by arranging various categories of labour as per the direction of the Engineer-in-charge.		
a.	Man(Unskilled)	30.00	day
b.	Semi skilled	30.00	day
c.	Mason, Carpenter,welder,Plumber, Painter,aluminium fabricator(Skilled)	30.00	day
	<b><u>SUPPLY AND STACKING</u></b>		

14	Supplying and stacking at site OPC conforming to relevant IS.	2.00	T
	<b><u>WATER SUPPLY/SANITARY/SEWAGE</u></b>		
15	Supplying and fixing glazed earthenware European type water closet of white colours with 8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate for European type W.C.(Hindware/Kingston/ Prima /Parko/ Marc),plastic seat with lid with controlled flush, low level cistern made of vitreous china of 10 litre (full flush) capacity-white etc complete.	1.00	nos
16	Clearing the chocking of outlet pipes / gully traps / urinals / wash basins etc in all the floors, including all incidental charges, dismantling, cleaning and refitting the waste pipes if necessary, all as directed by the Engineer-in-charge	20.00	nos
17	Clearing the closet chocking without damaging to the closet as directed by the Engineer-in-charge.	20.00	nos
18	Cleaning the sewer pipe line and clearing the scum, sludge, floating objects etc. and disposing the same in pits which are already excavated at places pointed out by the Engineer-in-charge including backfilling the pit with the excavated earth without emitting foul smell etc. complete all as directed by the Engineer-in-charge.	70.00	m
19	Cleaning of PVC /HDPI make water storage tank (inside surface area) at all heights with brshes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of paint and disposing of malba all complete as per direction of Engineer-in-Charge.	35,000.00	ltr
20	Cleaning the Masonry / RCC overhead tank at various levels in various residential /office building by clearing all debris and moss etc. cleaning the side walls, floors and slab by wire brushing. The rate includes all labour charges, cost of fuel, hire for pump and tools etc. all as directed by the Engineer-in-charge.		
a)	Up to 10,000 litres capacity	5.00	nos
21	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design including man, material complete as per direction of Engineer-in-charge.	4.00	nos
22	Taking out existing CC interlocking paver block carefully from the areas including removal of rubbish soil, broken concrete items etc & disposal of unserviceable materials to the dumping ground for which payment shall be paid in item:unskilled labours & stacking of serviceable materials within 50m lead as per direction of Engineer-in-charge.	25.00	m <sup>2</sup>
23	Levelling the ground &,providing 50mm thk compacted bed , laying old cement concrete interlocking paver blocks(already available) of any design/shape laid in required line, level, curvature, colour and pattern over and including compacting the area properly, filling the joints, etc all complete work as per the direction of Engineer-in-charge.	25.00	m <sup>2</sup>
24	Cleaning of sewage chambers & waste should be disposed outside the MbPA premises includes all the labours,machinery,material required for the completion	20	nos
25	Supplying, threading, laying and jointing the following dia. 'B' class G.I pipes and specials such as tees, bends, elbows, checknuts etc. with clamps, plugs, screws etc.. complete all as directed by the Engineer-in-charge.		
a)	25NB	1.00	m
b)	40NB	1.00	m
c)	50NB	1.00	m
d)	100NB	1.00	m
26	Supplying, fixing, laying and jointing the following dia PVC pipes with pasted type joints of approved quality using solvent cement including all cost and conveyance of all materials, sundries etc. complete. The rate shall be inclusive of supplying and fixing necessary specials(tees,bends,couplings etc.) as per the direction of the Engineer-in-charge. (Pipe pieces of length below 50cm used for leak rectification works will not be measured under this item).		
a)	20mm dia PVC pipe (10kg/cm2)	1.00	m
b)	25mm dia (10kg/cm2)	1.00	m
c)	32mm dia (10kg/cm2)	1.00	m

d)	40mm dia (10kg/cm2)	1.00	m
e)	50mm dia (10kg/cm2)	1.00	m
f)	63mm dia (6kg/cm2)	1.00	m
g)	75mm dia (6kg/cm2)	1.00	m
27	Supplying, laying and jointing CPVC pipes of approved quality and brand for hot water line with suitable specials including cost and conveyance of all materials, necessary specials (tees, bends, couplings etc.)		
a)	15 mm size	1.00	m
b)	20 mm size	1.00	m
c)	25 mm size	30.00	m
d)	32 mm size	1.00	m
e)	50 mm size	1.00	m
28	Supplying and fixing ISI marked / best quality approved brand 110 mm PVC pipe including all specials like bedns/tees/elbows at all heights including cost and conveyance, all labour and all other incidentals etc. complete all as directed by the Engineer-in-charge.		
a)	110mm PVC	10.00	m
29	Supplying and fixing the approved quality and brand ISI marked high level / low level PVC flushing cistern 10 litre or nearest capacity, including cost of materials, labour charges, all other incidentals etc. complete as per the direction of the Engineer-in-charge.		
a)	White colour	1.00	Nos.
30	Supplying and fixing approved branded ((Hindware/Paryware/RAK/Cera) quality and shade 550mmx 400mm or nearest size wash hand basins of glazed earthenware, with necessary brackets, one central single lever quarter turn pillar cock with foam flow, one central 15mm PVC connection, 1 no 15 mm CP stop cock , CP brass waste of standard patterns, 32mm PVC waste pipe, cutting and making good the walls, painting the brackets two coats including cost and conveyance of all materials, labour, other incidentals etc. complete.	1	Nos.
31	Providing and fixing in position approved quality white glazed earthenware flat back lipped front urinal 265 x 315 x 440mm or nearest size having a 15mm PVC connection, 32mm or nearest dia PVC waste connection and 1 no CP spreader connected to waterline and 15mm brass push cock, cutting and making good the walls and floors, including cost and conveyance of all materials, screws, plugs, labour, other incidentals, etc. complete. All PVC items are to be heavy duty type.	1	Nos.
32	Dismantling/removal of European type closet including removal of all fixtures without causing damage to the other existing floor including all labour,machinery for the complete work	4	Nos.
33	Cleaning of stormwater drains(chambers) & waste should be disposed inside the CMSRU premises includes all the labours,machinery,material required for the completion	20	Nos.
34	Cleaning the storm water pipe line and clearing the scum, sludge, floating objects etc. and disposing the same in pits which are already excavated at places pointed out by the Engineer-in-charge complete all as directed by the Engineer-in-charge.	50	m
35	Providing and laying reinforced cement concrete 1:1 <sup>1</sup> / <sub>2</sub> :3 using 20mm down graded broken granite metal for slabs including cost and conveyance of all materials, labour for mixing, laying, consolidating, curing, cost of dewatering etc.complete but excluding cost of cement, cost of formwork and cost of reinforcement. (formwork will be measured separately).		
a	All work upto plinth level	2	m <sup>3</sup>
b	Superstructure	2	m <sup>3</sup>
Completion period: Entire scope of work has to be finished within the duration period mentioned in the work order.			
Seal&Sign of authorised person			

PRICE BID						
MP1/Civil works for sewerage and sanitation system/CMSRU					Encl.3	
S/No.	Description of Work	Quantity	Unit	Unit Rate	Total Rate	GST%
	<b><u>EARTH WORK</u></b>					
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil ,backfilling the same soil or disposal of surplus excavated soil as directed.Rate is inclusive of demolishing bituminous surface/ concrete/ rubble/ solingstone etc if any.complete.	20.00	m <sup>3</sup>			
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	8.00	m <sup>3</sup>			
3	Providing Form work,Centering and shuttering including strutting, propping using shuttering sheet,supporting beams, supporting jacks,wooden planks and other incidentals etc. including removal of formwork after completion of work and clearing all materials and cost and conveyance of all materials labour etc	10.00	m <sup>2</sup>			
	<b><u>BRICK/BLOCK/STONE WORK</u></b>					
4	Brick work in CM 1:4 for half brick wall using class designation 7.5 for superstructure including cost and conveyance of all materials, labour, other incidentals etc complete, excluding cost of cement.					
a.	Rate for Foundation and basement	20.00	m <sup>2</sup>			
b	For super structure	10.00	m <sup>2</sup>			
	<b><u>FLOORING</u></b>					
5	Providing and laying plain cement concrete 1:11/2:3 using 6mm/12mm down graded IS nominal size hard broken metal after cleaning the surface including cost and conveyance of all materials, formwork, labour for mixing, laying, consolidating curing etc.complete but excluding cost of cement.	10.00	m <sup>3</sup>			
6	Supplying and laying non-slippery/anti-skid ceramic flooring tiles of approved brand (Kajaria/NITCO/H&R Johnson/Somany) ,quality and colour set in CM 1:4 20mm thick and Jointing with grey cement slurry @ 3.3 kg/sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals (size 300mm x 300mm), excluding cost of cement.etc. complete	4.00	m <sup>2</sup>			
7	Supplying and laying approved type and colour Vitrified flooring Tiles approved brand (Kajaria / Somany / Nitco/ Sempolo/H&R Johnson) , set in CM 1:4 20mm thick and jointing with grey cement slurry @ 3.3 kg/ sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals etc. complete, excluding cost of cement.					
a.	600x600mm	4.00	m <sup>2</sup>			
8	Dismantling &Relaying the available floor tiles work in all floors of the building set in CM 1:4 20mm thick and jointing with grey cement slurry @ 3.3 kg/ sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals etc. complete, excluding cost of cement.	4.00	m <sup>2</sup>			
	<b><u>FINISHING</u></b>					
9	Plastering with CM floated hard and trowelled smooth including cost and conveyance of all materials, labour, curing including scaffolding etc.complete as directed by the Engineer-in-charge but excluding cost of cement.					
a.	1:4, 12mm thk.(1cement : 4Fine sand)	25.00	m <sup>2</sup>			
b.	1:3, 20mm thk.(1cement : 3Fine sand)	25.00	m <sup>2</sup>			
	<b><u>DISMANTLING/DEMOLISHING</u></b>					
10	Demolishing PCC/RCC work manually/ by mechanical means including separately removing and stacking the available reinforcement and clearing away the debris as per directed by EIC etc. complete.	10.00	m <sup>3</sup>			
11	Dismantling and removing tiles set in cement mortar including cleaning and stacking, serviceable materials and removing the debris as per directed by EIC etc. complete.	2.00	m <sup>2</sup>			
12	Disposal of debris generated during construction/excess soil available in site to Municipal dumping ground outside CMSRU/MbPA premises and making the site clean.	10.00	m3			
	<b><u>MAN POWER SUPPLY</u></b>					
13	Carrying out miscellaneous works by arranging various categories of labour as per the direction of the Engineer-in-charge.					
a.	Man(Unskilled)	30.00	day			
b.	Semi skilled	30.00	day			
c.	Mason, Carpenter,welder,Plumber, Painter,aluminium fabricator(Skilled)	30.00	day			
	<b><u>SUPPLY AND STACKING</u></b>					
14	Suppying and stacking at site OPC conforming to relevant IS.	2.00	T			

S/No.	Description of Work	Quantity	Unit	Unit Rate	Total Rate	GST%
	<b><u>WATER SUPPLY/SANITARY/SEWAGE</u></b>					
15	Supplying and fixing glazed earthenware European type water closet of white colours with 8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate for European type W.C.(Hindware/Kingston/ Prima /Parko/ Marc),plastic seat with lid with controlled flush, low level cistern made of vitreous china of 10 litre (full flush) capacity-white etc complete.	1.00	nos			
16	Clearing the chocking of outlet pipes / gully traps / urinals / wash basins etc in all the floors, including all incidental charges, dismantling, cleaning and refitting the waste pipes if necessary, all as directed by the Engineer-in-charge	20.00	nos			
17	Clearing the closet chocking without damaging to the closet as directed by the Engineer-in-charge.	20.00	nos			
18	Cleaning the sewer pipe line and clearing the scum, sludge, floating objects etc. and disposing the same in pits which are already excavated at places pointed out by the Engineer-in-charge including backfilling the pit with the excavated earth without emitting foul smell etc. complete all as directed by the Engineer-in-charge.	70.00	m			
19	Cleaning of PVC /HDPI make water storage tank (inside surface area) at all heights with brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of paint and disposing of malba all complete as per direction of Engineer-in-Charge.	35,000.00	ltr			
20	Cleaning the Masonry / RCC overhead tank at various levels in various residential /office building by clearing all debris and moss etc. cleaning the side walls, floors and slab by wire brushing. The rate includes all labour charges, cost of fuel, hire for pump and tools etc. all as directed by the Engineer-in-charge.					
a)	Up to 10,000 litres capacity	5.00	nos			
21	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design including man, material complete as per direction of Engineer-in-charge.	4.00	nos			
22	Taking out existing CC interlocking paver block carefully from the areas including removal of rubbish soil, broken concrete items etc & disposal of unserviceable materials to the dumping ground for which payment shall be paid in item:unskilled labours & stacking of serviceable materials within 50m lead as per direction of Engineer-in-charge.	25.00	m <sup>2</sup>			
23	Levelling the ground & providing 50mm thk compacted bed , laying old cement concrete interlocking paver blocks(already available) of any design/shape laid in required line, level, curvature, colour and pattern over and including compacting the area properly, filling the joints, etc all complete work as per the direction of Engineer-in-charge.	25.00	m <sup>2</sup>			
24	Cleaning of sewage chambers & waste should be disposed outside the MbPA premises includes all the labours, machinery, material required for the completion	20	nos			
25	Supplying, threading, laying and jointing the following dia. 'B' class G.I pipes and specials such as tees, bends, elbows, checknuts etc. with clamps, plugs, screws etc.. complete all as directed by the Engineer-in-charge.					
a)	25NB	1.00	m			
b)	40NB	1.00	m			
c)	50NB	1.00	m			
d)	100NB	1.00	m			
26	Supplying, fixing, laying and jointing the following dia PVC pipes with pasted type joints of approved quality using solvent cement including all cost and conveyance of all materials, sundries etc. complete. The rate shall be inclusive of supplying and fixing necessary specials(tees,bends,couplings etc.) as per the direction of the Engineer-in-charge. (Pipe pieces of length below 50cm used for leak rectification works will not be measured under this item).					
a)	20mm dia PVC pipe (10kg/cm2)	1.00	m			
b)	25mm dia (10kg/cm2)	1.00	m			
c)	32mm dia (10kg/cm2)	1.00	m			
d)	40mm dia (10kg/cm2)	1.00	m			
e)	50mm dia (10kg/cm2)	1.00	m			
f)	63mm dia (6kg/cm2)	1.00	m			
g)	75mm dia (6kg/cm2)	1.00	m			
27	Supplying, laying and jointing CPVC pipes of approved quality and brand for hot water line with suitable specials, including cost and conveyance of all materials, necessary specials(tees,bends,couplings etc.), other incidentals etc. complete for all levels.					
a)	15 mm size	1.00	m			

S/No.	Description of Work	Quantity	Unit	Unit Rate	Total Rate	GST%
b)	20 mm size	1.00	m			
c)	25 mm size	30.00	m			
d)	32 mm size	1.00	m			
e)	50 mm size	1.00	m			
28	Supplying and fixing ISI marked / best quality approved brand 110 mm PVC pipe including all specials like bedns/tees/elbows at all heights including cost and conveyance, all labour and all other incidentals etc. complete all as directed by the Engineer-in-charge.					
a)	110mm PVC	10.00	m			
29	Supplying and fixing the approved quality and brand ISI marked high level / low level PVC flushing cistern 10 litre or nearest capacity, including cost of materials, labour charges, all other incidentals etc. complete as per the direction of the Engineer-in-charge.					
a)	White colour	1.00	Nos			
30	Supplying and fixing approved branded ((Hindware/Paryware/RAK/Cera) quality and shade 550mmx 400mm or nearest size wash hand basins of glazed earthenware, with necessary brackets, one central single lever quarter turn pillar cock with foam flow, one central 15mm PVC connection, 1 no 15 mm CP stop cock , CP brass waste of standard patterns, 32mm PVC waste pipe, cutting and making good the walls, painting the brackets two coats including cost and conveyance of all materials, labour, other incidentals etc. complete.	1	Nos			
31	Providing and fixing in position approved quality white glazed earthenware flat back lipped front urinal 265 x 315 x 440mm or nearest size having a 15mm PVC connection, 32mm or nearest dia PVC waste connection and 1 no CP spreader connected to waterline and 15mm brass push cock, cutting and making good the walls and floors, including cost and conveyance of all materials, screws, plugs, labour, other incidentals, etc. complete. All PVC items are to be heavy duty type.	1	Nos			
32	Dismantling/removal of European type closet including removal of all fixtures without causing damage to the other existing floor including all labour,machinery for the complete work	4	Nos			
33	Cleaning of stormwater drains(chambers) & waste should be disposed inside the CMSRU premises includes all the labours,machinery,material required for the completion	20	Nos			
34	Cleaning the storm water pipe line and clearing the scum, sludge, floating objects etc. and disposing the same in pits which are already excavated at places pointed out by the Engineer-in-charge complete all as directed by the Engineer-in-charge.	50	m			

S/No.	Description of Work	Quantity	Unit	Unit Rate	Total Rate	GST%
35	Providing and laying reinforced cement concrete 1:1 <sup>1</sup> / <sub>2</sub> :3 using 20mm down graded broken granite metal for slabs including cost and conveyance of all materials, labour for mixing, laying, consolidating, curing, cost of dewatering etc.complete but excluding cost of cement, cost of formwork and cost of reinforcement. (formwork will be measured separately).					
a	All work upto plinth level	2	m <sup>3</sup>			
b	Superstructure	2	m <sup>3</sup>			
TOTAL AMOUNT						
TOTAL AMOUNT INCLUSIVE OF GST						

Contractor’s Seal & Signature

**Rules for engaging contractor's workmen in CSL-MSRU**

- I) The following labour statutory compliance measures should be followed by contractors working in CSL Mumbai Ship Repair Unit;
  - 1. If the contractor is engaging 10 or above contract workmen, their firm must have independent establishment registration under EPF.
  - 2. If the contractor is engaging 10 or above contract workmen, their firm must have independent establishment registration under ESI.
  - 3. If the contractor is engaging less than 10 contract workmen and they are exempted under ESI/EPF, their workmen should be covered under Employee Compensation policy.
  - 4. The wage payment for workers should be disbursed through bank payment only and contractor have to submit monthly Challan for ESI Remittance ,EPF Remittance and bank statement of wage disbursement along with their monthly bills.
  - 5. If the contractor is engaging 20 or above contract workmen, they should take the Labour Licence under Contract Labour Contract Act.
- II) The contractor is solely responsible for complying ESI & EPF rules for contract workmen engaged by them for the work.
- III) It is mandatory to submit police clearance from Mumbai Police station to issue gate entry pass. Hence all the workmen belong to other states shall have to take police clearance from their respective home station to submit application form for obtaining police clearance from Mumbai Police Station.
- IV) Employee/worker deputed for the work shall not be over 58 Years of age.

**Seal & Sign of Authorized Person**

### **Specific Terms & Conditions**

**Enq no: -MPI/Civil works for sewerage and sanitation system/CMSRU**

1. Payment mode: Payment shall be released against invoice certified by executing officer supported by WCC (Work Completion Certificate) and other mandatory documents, (material testing reports/material entry passes as per requirement). It will be released within 45days from the date of submission of correct invoice/successful completion of work whichever is later. Payment will be based on actual executed quantity and after each quantum of work
2. Manpower has to be mobilized against CMSRU LOI/WO and work has to be commenced immediately as per the instruction of executing officer.
3. Vendors are strongly advised to visit the site and understand the work requirement prior quoting.
4. Vendors should be able to carry out and complete the work at CMSRU yard, Mumbai and all the necessary passes to be arranged accordingly by the vendor
5. Any loose items, if needed, shall be delivered at CMSRU(MbPT) on door delivery basis to Hughes Dry Dock (Indira Docks), Mumbai Port Trust, Mazagon, Mumbai.
6. Entire scope of work has to be finished within the duration period mentioned in the work order.
7. CMSRU reserves the full right to change the work scope/amend the work scope according to the site condition
8. CMSRU reserve the right to offload the job to more than one subcontractor (parallel contract) to meet the schedule against this tender.
9. CMSRU will place composite work order against this tender which includes the cost of material as well as service.
10. This tender shall be issued on **Two bid OTE** basis and CMSRU have the full right to issue the work order in based on **Overall L1**. Final decision shall be done by CMSRU.
11. L1 firm has to provide detailed price split up (if required) within 03 days from the date of confirmation from CMSRU.
12. Firm to provide necessary valid certificates (wherever required).
13. Firms should have related similar experiences as per the work scope mentioned and the supporting documents as a proof to match the work experiences shall be submitted to CMSRU, if requested.
14. CSL/CMSRU has the full right to withdraw the tender in partial or full during the course of this tender without giving any prior notice / clarifications to vendors.
15. CSL/CMSRU has the right to accept or reject any or all of the offers.
16. Vendors are requested to submit the bid in the attached price bid format **(in TwoBid)** for avoiding discrepancies/confusions during the comparison stage.
17. Vendors are requested to submit a signed copy of Encl. 1, 2,4, 5, 6, 7,8,9 along with **unpriced bid format clearly indicating quoted/not quoted against each job scope with the Tech. bid for verification.**
18. All documents submitted against this tender shall be signed and sealed by authorized persons and the compliance matrix shall be submitted in the company letter head of the vendor. Otherwise it may be rejected without prior notice.

Seal & sign authorised person

19. All tools and tackles for successful completion of the job shall be arranged by the contractor.
20. Contractor shall abide by the CSL safety rules.
21. All consumables for the job shall be in the scope of vendor.
22. Job completion period has to be mentioned in the unpriced priced bid format.
23. All Material passes and Man Entry Passes to be arranged by contractor. Required authorization letter only will be issued from CMSRU.
24. Forward offers and communications from mail IDs starting with words as highlighted in below message, since the message will be blocked and may not necessarily reach the indented ID, as indicated in below.

info  
support  
admin  
sales  
customersupport  
helpdesk  
mail  
mailadmin  
billing  
hello  
careers

25. Safety Measures that are to be ensured by contractors are :
  - a) Db IP44 type with ELCB
  - b) Blower with guard on both side
  - c) 24 volt lamp with wire and DB
  - d) Flash back and non return valve for Cylinder ( DA and Oxygen is allowed)
  - e) welding machine with ELCB of 30 mA to provided
  - f) Power tools like Grinding Machine should have handle and guard
  - g) Proper PPEs need to provided by the contractor to workers
  - h) Induction class need to attend by the new workers

### CIVIL WORKS

26. The firm is expected to have inspected the site, acquaint themselves with site conditions, labour situation, wage and benefits applicable to labourers, working hours, pass rules, safety rules, out turn of work by labour and the fluctuations which are likely to happen till the work is completed before quoting.
27. Quantities shown is approximate only. This is to give an idea to the firm about the likely volume of works and not guaranteed to be executed by CMSRU. Firm shall not be entitled to any compensation on account of variation(Plus or minus)in the quantity of works ordered under this contract.

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**28. Supervision of works:**

- a. The Contractor shall deploy at least one 'Site Supervisor' in addition to labours for each work. The site Supervisor shall be deployed for the full time supervision of work, during the execution.
- b. The supervisor should be having minimum qualification of diploma in civil engineering from any reputed colleges and who have experience in the Construction/building maintenance for three years minimum. The proof of documents /certificates should submit to the engineer in charge if required.
- c. The supervisor shall be present on site for continuous inspection throughout the entire day. In case of absence, penalty will be charged. The Engineer-in-Charge shall have full authority to impose a penalty equivalent to the daily wage of a skilled person, as per the Mumbai Minimum Wages Act, for each day of such absence.

29. **Discrepancy or omissions :** if any found in the tender schedule shall be brought to the notice of the Tender Inviting Authority before offering the price bids for clarifications

**30. Care of works:**

- i. There are various utility services like pipe lines, electrical services, water mains, telephone cables etc. in the areas required to be attended under the scope of subject work.
- ii. Utmost care has to be taken by the contractor during the work to protect the underground utilities. In case of any damages during the work, same shall be repaired up to the satisfaction of the officer concerned by the contractor at his own cost. Trial pits may be taken by the contractor if required at no additional cost to CMSRU.

31. **Custom and Security requirements:** The Contractor shall comply with all the regulations imposed by the Customs and Port Security Authorities in respect of the passage of Plant, vehicles, material and personnel through Custom's barriers.

32. **Water /Electricity supply for construction purposes:** The contractor/vendor shall make his/their own arrangements for water required for the work in case of unavailability of water. This will be subject to the following conditions.

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(i) The water used by the contractor/vendor shall be fit for construction purposes to the satisfaction of the Engineer-in-Charge.

If water/electricity is issued free of cost by CMSRU, will be subject to the following conditions.

(i) The vendor shall make his/their own arrangement of water/electric connection and laying of pipelines/electric cable from existing main of source of supply.

(ii) The CMSRU do not guarantee to maintain uninterrupted supply of water and it will be incumbent on the vendor to make alternative arrangements for water in the event of any temporary break down/unavailability. Payment for water in case of alternative arrangements done by contractor will be reimbursed by CMSRU under submission of required documents & approval of the Engineer-in-Charge.

(iii) Contractor shall take water/electricity in a such a way that the activities of CMSRU are not affected. He will also be responsible for the damage and abnormal repairs arising out of his use, the cost of which shall be recoverable from the vendor. The CMSRU shall determine the cost recoverable from the contractor/vendor on this account and such decision shall be final and binding on the vendor.

**33. Safety, security and co-ordination:**

- i. First-aid and industrial injuries: Contractor shall maintain first aid facilities for his employees and those of his sub-contractors and also for Employer's representative working/ supervising the work.
- ii. Smoking & Usage of tobacco products: Smoking /Usage of tobacco products within the dock areas, extended dock area and on the Jetty is strictly prohibited. Violators of the rules shall be removed immediately.
- iii. Contractor's Barricades and lights: Contractor shall erect and maintain barricades and lighting required in connection with his operation to guard or protect, Hoisting areas, Areas adjudged hazardous, Employer's existing property subject to damage by

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Contractor's operations, Road, unloading spots, and any other area directed by the Engineer-in-charge.

- iv. Scaffolding: Suitable strong suspended or otherwise scaffolding should be provided for workmen for all works that cannot safely be carried out from the available access/ approaches or from existing permanent structures.
- v. Epidemics: In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government or the local medical or sanitary authorities for the purpose of dealing with and overcoming the same.
- vi. Foot wear, gloves etc.: The Contractor shall at his own expense provide footwear and gloves for all labour engaged on concrete mixing work and all other types of work involving the use of tar and cement, glass shields for welder s etc. to the satisfaction of the Engineer –in-charge.

34. **Materials and Workmanship:** The Contractor shall arrange to test any of the materials/ finished items/ concrete cubes etc. as per relevant IS Specifications in laboratories of Engineer's choice as per CMSRU requirement. All other costs (except the testing charges) i.e. cost of material, packaging, transportation etc. shall be borne by the Contractor. The testing charges shall be borne by the Employer if the test results are satisfactory except for the testing carried out at the Contractors Material Testing Laboratory at site. If the test results are unsatisfactory/not as per relevant IS Specifications/CMSRU's Specifications, the testing charges shall be borne by the Contractor. The payment of testing charges for satisfactory test results will be reimbursed by CMSRU.

- a. Material may be tested at NABL approved laboratories.

Coarse and fine aggregates: Aggregates to be used on works shall conform to the requirements of the Indian Standard Specification No.3123 for "Coarse and Fine Aggregates from natural sources for concrete". Sand shall conform as nearly as possible to

the grading shown in Table III of I.S. 3123. Sand shall not contain more than 4% of silt and other deleterious matter by weight or 12% by volume. Aggregates shall be washed or screened, if necessary at no extra cost.

Cement: Cement to be used for cement concrete works shall be OPC 43 grade, confirming to IS:12112 OR OPC 53 grade, confirming to IS:12269.

35. **Work orders & Completion Period:** The vendor/contractor has to attend the work within 48 hours of the intimation from the engineer in charge. The work orders will be issued for any quantum of work as per requirements. Vendors shall be prepared to complete the assigned works within the stipulated time period. The work order/LOI includes the scope of work to be done and the period of completion. For each separate work, separate work orders will be given.

*After finalization of the tender the L1 vendor / the probable vendor will be intimated vide LoI, the details of rates pertaining to the description of work per quantity only. However for each separate work order, the details of the activity will have the quantity along with the rates as per the tender as well as timeline for carrying out the work.*

In case of delay of initiation or completion/irresponsible work nature/disputes in quality of work as per Engineer-in charge's decision, CMSRU reserve the right to offload the job to more than one contractor to meet the schedule against the tender.

If there is repeated failure on the part of the contractor to carry out the works within the time prescribed in the specific work orders under each part, the contract is liable to be terminated.

36. **Measurement and bill submission:** All measurements of items having financial value shall be entered by the contractor and compiled in the shape of the Computerized Measurement Book having pages of A-4 size as per the format of the department. All measurements recorded by the contractor or his authorized representative from time to

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time, during the progress of the work, shall be got checked from the Engineer-in-Charge. After the necessary corrections made by the Engineer-in-Charge, the measurement sheets shall be resubmitted to the Engineer-in-Charge for the dated signatures by the Engineer-in-Charge

37. **Payment:** Payment shall be released against invoice certified by Executing officers supported by WCC (Work Completion Certificate) and other mandatory documents, (material testing reports/material entry passes as per requirement). It will be released within 45 days from the date of submission of correct invoice/successful completion of work whichever is later. Payment will be based on actual executed quantity and after each quantum of work.

38. **Risk Purchase:** If the supplier fails to commence the work as per the instruction of Officer in charge or violate any terms and conditions of the work order, CSL shall have the right to terminate the contract with 7 days notice forfeiting security deposit if any and to initiate alternate action.

In the case of discrepancy between the schedule of Quantities, the Specifications and/or the Drawings, the following order of shall prevail:-

- (i) Description of items in Tender Schedule.
- (ii) Particular Specification and Special Condition, if any.
- (iii) Indian Standard Specifications of B.I.S.
- (iv) Drawings.
- (v) CPWD specifications

**LIST OF APPROVED BRAND / MAKE**

Cement	: Ultratech, Ambuja, Dalmia, Zuari, Coromandel
Vitrified/Ceramic Tiles	: Kajaria, Johnson, Somany
Plumbing Fixtures	: Jaguar, Cera, Parryware, Hindware, RAK
PVC Pipes and specials	: Supreme, Finolex, Hycount

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Reinforcement steel	:	SAIL,TATA,VIZAG,JSW
MS pipe ,Square section	:	TATA,JSW or equivalent
Sanitary Fittings	:	Hindware,Parryware,Cera,Jaquar
Pavement Tile	:	Planet Green, Stabil, Amcon

**Dy.General Manager (CMSRU)**

## **Annexure – 2**

### **General Terms and Conditions**

1. Tenderers are to carefully go through the terms and conditions and the techno commercial specification of the items for which offers are called for. Deviations, if any, shall be separately listed and specifically brought out in the offer. CSL reserves the right to accept / reject the deviations.
2. Offers are to be furnished in duplicate and should be free from overwriting. Corrections and additions, if any, must be attested. Incomplete/ ambiguous offers are likely to be rejected. No overwriting /corrections. If so to be attested.
3. In case of bids sent through email, then the documents should be password protected and the passwords should be passed on to the concerned officer while attending the bid opening or by email / SMS immediately before the tender opening against the request from officer.
4. Indigenous tenderers should quote prices for delivery of materials at CSL stores and in the case of foreign bidders the same shall be on Ex Works / FOB basis only. C&F prices shall also be indicated in the offer. Insurance in all cases shall be arranged by CSL, unless it is specifically mentioned.
5. Prices should be valid for acceptance for a period of four months (04 months) from the date of opening of tender.
6. No enhancement of rate for whatever cause will be allowed once the offer is accepted and an order is placed. Withdrawal of the quotation after it is accepted or failure to make the supply within the stipulated delivery period will entail cancellation of the order and forfeiture of Earnest Money Deposit/Security deposit, if any and/or risk purchase clause.
7. Taxes, duties and other charges, if any, payable extra are to be indicated in the price part for single bid and in techno-commercial part for two bid.
8. Delivery term and delivery time / work completion time required for completing the job scope should be indicated in the offer.
9. CSL terms of payment is 100% within 45 days from the date of receipt & acceptance of items at CSL and in case of service after satisfactory completion of job, within 45 days from the date of submission of Invoice along with all mandatory documents.
10. Any clarifications, technical or commercial shall be sought at least 24 hours prior to bid submission date. CSL reserve the right entertain / pass such clarifications that are sought late. Also, request for extension of bid submission date if required shall be informed in advance but not later than 24 hours prior to bid submission. CSL reserve the right to accept / reject such extension requests based on the urgency of item tendered and the number of bids received so far.
11. Upon submission of offer, it is presumed that the work has been completely understood by the bidder and quoted accordingly. Bidders cannot claim ignorance of any aspect of work after submission of the offer. In case of site visit required, the same shall be informed in advance so as to arrange the same.

12. The firm/ bidder winning the contract shall sign an agreement with Cochin Shipyard Ltd for "Fall clause". Accordingly, during the contract period, the firm / bidder cannot offer the item/s to anyone else at rates lower than the rates quoted, or the same lowest rate shall be applicable to the contract with CSL.

13. Vendor should follow all statutory requirements of the products offered.

14. Manufacturer's name, their trademark and brand, if any, should invariably be mentioned and illustrative leaflets giving technical particulars etc., should be attached to the offer.

15. Materials supplied shall be new and unused and shall confirm to CSL specifications and drawings.

16. Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.

17. Samples are to be supplied free of cost in the event of requirement by CSL. The detailed working drawing, if called for, is also to be furnished for approval before commencement of manufacture.

18. The quantities of each item to be purchased may vary according to actual requirement at the time of placing orders.

19. Force Majeure condition: Should failure in performance of the contract or part thereof arise from war insurrection, restraint imposed by Government, Act of Legislature or other Statutory Authority or illegal strike, riot, legal lock-out, flood, fire, explosion, act of God or any inevitable or unforeseen event beyond human control which may be construed as reasonable ground for an extension of time, CSL may allow such additional time as is mutually agreed, to be justified by the circumstances of the case. The occurrence/ cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence/cessation.

20. LD Clause: In case of delay in supply of ordered materials / delay in completion of work beyond the stipulated delivery / completion period which is not attributable to CSL, vendor is to pay liquidated damages (and not by way of penalty) a sum equivalent to ½%(half percent) per week or part of the week of the order value (basic price) in the case of machinery/equipment and of the value of materials / services delayed in the case of all other items/services subject to a maximum of 10% of the order value (basic price). For service orders, completion date as confirmed by the executing officer shall be reckoned for LD calculation.

21. Guarantee: The equipment/item supplied shall be guaranteed for satisfactory performance for 12 months from the date of arrival at CSL against faulty design, defective materials and bad workmanship. Supplier should supply and install free of cost immediately any part found to be defective for the above reasons within the guarantee period. The Services shall be guaranteed for a minimum period of 06 months from the date of successful commissioning/final acceptance.

22. Integrity Pact: All bids of value above 1 crore shall include a duly signed integrity pact. (Format attached herewith)

23. Suppliers are generally allowed to depute their authorized representative to be present at the time of opening of the price bid. However, this will be subject to the discretion/SOP of CSL, in view of the restrictions imposed by Govt./local body/CSL due to Covid-19 outbreak. At present, in view of COVID-19 pandemic, Vendors are not allowed inside CSL to attend opening of the price bid.

24. Cochin shipyard Ltd prefers to deal directly with the supplier. However, if the supplier appoints

an Indian agent to deal with Cochin shipyard ltd., the agency commission payable by the supplier to such an agency shall be intimated. If manufacturers affect the supply through agents only, authorization in writing from manufacturers in favour of the agent for supply to CSL shall be furnished. In case where an agent participates a tender on behalf of a foreign manufacturer Indian agent should submit specific authorization from the authorized person of foreign manufacturer. In a tender, either the Indian agent on behalf of the principal/ OEM or principal/ OEM itself can bid but both cannot bid simultaneously for the same item/ product in the same tender. If an agent submits bid on behalf of principal/ OEM, the same agent shall not submit a bid on behalf of another principal/ OEM in the same tender for the same item/product. Indian agents cannot represent more than one firm or quote on their behalf for any particular tender. Clarifications, either technical or commercial, should be submitted to points specially asked for only. The opportunity so given should not be used for correcting/changing/amending the data/conditions already submitted with the tender.

25. Participation by a bidding firm or any of its affiliates that are either:

- a) Involved in the consultancy contract to which this procurement is linked; or
  - b) If they are part of more than one bid in the procurement; or
  - c) If the bidding firm or their personnel have relationships or financial / business transactions with any official of Procuring Entity who are directly or indirectly related to tender or execution process of contract; or
  - d) Improper use of information obtained by the (prospective) bidder from the Procuring Entity with an intent to gain unfair advantage in the procurement process or for personal gain;
- are not permitted to participate in the tender.

26. Jurisdiction: All questions, disputes or difference arising under, out of, or in connection with contracts shall be subject to the exclusive jurisdiction of the Courts at Ernakulum, Kerala, India.

27. As an alternate dispute redressal or reconciliation mechanism (other than arbitration clause), Cochin Shipyard has constituted a Grievance Redressal Committee. The following executives of the committee may be contacted for the settlement of disputes, if any, arising out of all contracts.

- a) Mrs. Anjana KR, GM (Design)
- b) Mr Shibu John, General Manager (Finance)
- c) Mrs Bindu Krishna, AGM (Legal)

28. Conditional discounts, if any, will not be reckoned for tender evaluation/ comparison purposes. However, the same will be considered while placement of purchase order if the firm turns out to be lowest bidder.

29. After submission of tender, no unsolicited correspondence will be entertained.

30. Cochin Shipyard Limited does not bind itself to accept the lowest or any tender but reserves to itself the right to reject any or all or a part of any tender at its discretion.

31. Deviations, if any, in the offer submitted from that of the tender enquiry in any form, should be clearly furnished in a separate document titled as "List of Deviations", failing which it will be presumed that all the terms and conditions are acceptable.

32. Public Procurement Policy initiatives of Govt. of India, pertaining to MSME's, startup etc as per CSL website ([www.cochinshipyard.in](http://www.cochinshipyard.in)) shall be applicable for this tender.

33. Vendor is solely responsible for the safety of its personnel inside CSL. Service provider will be responsible for the safety of personnel engaged and shall adopt all safety measures to comply with safety regulations in force in CSL. Service representative working onboard should maintain proper dress code as per CSL standards. They shall submit electronic challan remittance copy of ESI&EPF details of their employees and employee compensation policy details for employees not falling under ESI limit during the submission of invoice, documents supporting for facilitating gate access. They are bound to follow safety guidelines applicable in CSL like safe usage of tools & tackles, electrical safety guidelines, gas management system etc. Scrap management system & disposal of hazardous chemicals used to dispose by contractor itself on his own responsibility. Work place hygiene to be ensured by contractor itself.

34. Asbestos should not be part of any material / packing material supplied to CSL.

35. Shall abide by CSL rules for entry and exit of man and materials. Vendor and personnel will comply with: (1) all procedures and policies provided by CSL, including CSL's, environmental, health, safety, and security procedures, and related management systems when performing services at CSL facilities.

36. Service provider will have to abide by the various laws & regulations such as Contract Labour Regulation (Abolition) Act, ESI Act 1948, EPF Act 1952 etc as applicable. In case your employees are already covered under EPF/ESI scheme, their respective account numbers are to be furnished along with copy of challans as proof for remittance of ESI & EPF. If any employee is exempted from ESI, valid proof for the same also shall be submitted before commencement of work. Labor deputed for the work shall not have crossed over 60 years. Submission of above documents is statutory for issue of entry passes for working inside CSL. This is also required for releasing the payment since CSL site is permanently covered under above noted regulations. The certificate of compliance from Contractor as per attached format shall also be filled and submitted along with submission of bills for payment. Bills without duly certified "certificate of compliance from Contractor" shall not be passed for payment. (Form for Compliance of Provisions of various labour Enactments attached as Enclosure - 4). For determining EPF/ESI liability, the attached format to be duly filled and submitted to our welfare department before commencement of work & before 5th of every month. In case your employees are already covered under EPF/ESI scheme, their respective account numbers are to be furnished along with copy of challans as proof for remittance of ESI & EPF.

37. Vendor will package products according to instructions of CSL provided in the purchase order, and if nothing is provided, then according to good commercial practice to ensure safe arrival of the products. Avoid plastic materials for packing to the extent possible. Packing material shall be eco-friendly. Vendor should follow the statutory requirements of the products offered. In case of chemicals and toxic materials being supplied, vendor should furnish material safety data sheet (MSDS) compulsorily along with the material.

38. Acknowledge the receipt and acceptance of purchase order/Work order by signing and returning a copy of the same within three days of receipt of the same. If the acknowledgement is not received, it will be presumed as accepted.

39. Sub-contracting to other vendors shall be only after written intimation and approval of competent CSL authorities. Vendor shall not delegate or subcontract any of its obligations under the agreement without CSL's written consent. Vendor will remain liable for all subcontracted obligations and all acts or omissions of its subcontractors.

40. The procedures of work, standard operating procedures of work including documents like welding procedure specifications developed by CSL are intellectual property of CSL. Vendors shall not use or copy the procedure in any format without the written consent of competent authorities of

CSL.

41. Vendors shall take back rejected products, if any, and immediately supply new product/rectified product at vendor's expense, including all freight costs.

42. For product that is discovered defective during the warranty period, vendor will, at vendor's expense replace or repair defective product and re-deliver such repaired or replaced product to CSL within a commercially reasonable timeframe agreed by CSL.

43. Except as specifically stated in the purchase order, vendor will be responsible for all costs incurred in connection with providing the services, including personnel's expenses.

44. CSL is not obligated to pay any invoice submitted 180 days or more after a product is shipped or services are completed.

45. Vendor shall return the CSL resources to CSL immediately after provision of all deliverables and services or any termination of the agreement.

46. Vendor warrants that the products and services will comply with their specifications and will be of good quality acceptable to CSL/ship and must be fit for any purpose made known to vendor.

47. Vendor warrants that the products will be new, unused, and not refurbished at the time of delivery, and will be safe for normal use and free from defects in design, materials, and workmanship during the warranty period.

48. Vendor warrants that for software provided by vendor, (1) there is no open source software in the products (or any other items provided by vendor), unless vendor has notified CSL in writing before delivery and CSL has consented in writing to accepting this open source software, and (2) the software will not damage, interfere with, or permit unauthorized access to any other existing products or systems on which it is installed or any information residing on those products or systems.

49. Vendor and personnel will (1) keep confidential the terms of the agreement and all non-public and proprietary CSL information, and will only use such information to provide products and services under the agreement, and will not disclose such information except to the extent required by law after giving reasonable notice to CSL, if permitted by law; and (2) not use in providing products or services or disclose to CSL any materials or documents of another party considered confidential or proprietary unless it has obtained written authorization from that party and CSL.

50. Vendor will indemnify CSL and its affiliates, directors, officers, and employees against all liabilities, damages, losses, costs, fees (including legal fees), and expenses relating to any allegation or third-party legal proceeding (including action by a government authority) to the extent arising from an allegation that use, possession, or sale of the products or services violates or infringes a third party's rights, including intellectual property rights; or an allegation that any personnel are entitled to employee compensation, benefits, or other rights or transfer law rights, except to the extent caused by CSL's unlawful acts or omissions.

51. List of deviations from the general terms and conditions shall be submitted and the same shall be mutually acceptable. In the event of no deviation list submitted by the vendor, it is presumed that all conditions are accepted by the vendor.

52. All certificates called for in order specification must be sent to CSL at the time of delivery of items all the material supplied must satisfy CSL quality requirements.

53. Invoice submission:

- (i) All invoices must be sent to CSL on delivery of items /work completion as per the order terms
- (ii) Purchase order number and date and dispatch particulars should be clearly mentioned in the invoice.
- (iii) Wherever payments are authorized through bank, copy of the invoice should be forwarded directly to CSL under intimation so as to facilitate release of document in time. All bank charges will be to vendor's account.
- (iv) When the payment is in instalments, separate invoice is required for each payment.
- (v) 100% payment will be made against your invoice on satisfactory completion of the work.

The documents for releasing payment - original invoice with service report duly signed by vessel owner and CSL officer-in-charge along with documentary proof of expenses after satisfactory completion of work.

As a digital initiative to increase the transparency and to streamline vendor payment cycle, an online invoice submission portal has been setup for CSL vendors. The soft copy of invoices and supporting documents for material supply to be uploaded in the portal. Also, payment tracking can be effectively done by vendors logging in to the portal. Hence, supplier shall upload the invoice and supporting documents in CSL website portal after delivery of the material at the earliest. Payment will not be processed, if the invoice is not uploaded to the portal.

54. "In case imported items are part of the items required for the job Customs duty exemption can be availed by CSL if order for these imported items is placed on high sea sales basis by CSL or direct import order on bidder's principals for import items by CSL. In case of import orders/ high sea sales, the offer has to be on CFR Cochin Airport basis. The customs clearance, DO charges payment and IGST payment against bill of entry shall be done by CSL. In case of direct import orders by CSL, copy of Airway bill, foreign currency invoice and packing list would be required. In case of High Sea Sale, HSS agreement and INR invoice in addition to copy of Airway bill, foreign currency invoice and packing list shall also be required. The copy of all documents to be forwarded to CSL by email at least two days prior to arrival of the consignment at Airport for CSL to arrange the Customs exemption documents and file Bill of entry prior/ latest on date of arrival of the consignment itself. In case of any delay in receipt of documents, the bill of entry late filing fine shall be adjusted from the vendor's payment."

Tender conditions for Restriction of bidders sharing land border with India is attached below and certificate as required in the below conditions to be submitted along with tender documents.

## REGARDING PREFERENCE TO MAKE IN INDIA

<b>Tender condition - Preference to Make in India</b>		
A	Purchase preference in accordance with Public procurement (Preference to Make in India Order - 2017) Order from Department of Promotion of Industry and Internal Trade P - 45021 /2/2017/-B.E -II dt ,4.6.2020 and as amended from time to time shall be applicable as per below	
1	In the procurement of all goods/services/works in respect of which there is sufficient local capacity/local competition , only Class I Local suppliers shall be eligible to bid irrespective of purchase value	
2	In the procurement of all goods/services /works which are not covered as above and with estimated value of purchase less than Rs 200.0 Crores , only Class I local suppliers alongwith Class II local suppliers shall be eligible to bid.	
	<b>Purchase preferences for Class I local suppliers</b>	
B	In the procurement of goods/works covered under 2 above and which are divisible in nature , Class I local supplier shall be eligible for Purchase preference over Class II/Non local supplier as per following	
1	If L1 bid is not a Class I local supplier , 50% of the order quantity shall be awarded to L1. Thereafter the lowest bidder among Class I local supplier will be invited to match the L1 price for the remaining 50% quantity subject to Class I local supplier quoted price falling within 20% margin. Contract for that quantity shall be awarded to such Class I local supplier subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price or accept less than offered quantity , next higher Class I local supplier within 20% margin shall be invited to match the L1 price for the remaining qty and so on . If some quantity is left uncovered on Class I local supplier , such balance quantity shall be ordered on L1 bidder.	
2	For procurements that are not divisible in nature and in procurement of services evaluated on price alone , Class I local supplier shall get purchase preference over Class II/Non local supplier as per below	
3	If L1 is not a Class I local supplier , lowest bidder among Class I local supplier will be invited to match L1 price subject to Class I local supplier quoted price falling within 20% of L1 price and contract will be awarded to such Class I local supplier,subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price, procedure same as para 3 above will be opted .In case none of Class I local suppliers within 20% margin matches L1 price, contract shall be awarded to L1 bidder. The purchase preference as above will be only for Class I local supplier and Class II local supplier will not be eligible for any Purchase preference	

<b>C</b>	Local content requirement to categorise a supplier as Class I/ClassII/Non local supplier shall be as per below . Definition of local content shall be as per order dt 4.6.2020 ie amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of import content in the item (including all customs duties) as a proportion of total value in percentage.	
1	Class I -Local content equal to or greater than 50%	
2	Class II-Local content greater than 20% , less than 50%	
3	Non local -Local content less than 20%	
<b>D</b>	<b>Declaration of local content</b>	
1	Class I local supplier /Class II local supplier at the time of tender shall indicate % of local content and provide self certification that offered item shall meet the local content requirement for ClassI/Class II as applicable including details of locations at which local value addition is made.	
2	In case of procurement for a value in excess of Rs 10.0 Crores Class I/ClassII local supplier is to provide a certificate from statutory auditor/cost auditor(for companies) /practising cost accountant/Chartered accountant (suppliers other than companies) indicating % of local content	
3	Verification of the Certificates issued by the bidder shall be carried out by CSL on random basis. False declarations will attract actions as stipulated in the order referred , including other actions as permissible by law.	
4	Exemption is applicable from provisions of order for purchases with estimated values less than Rs 5.0 lakhs	
5	Notwithstanding above , exemptions for meeting local content as per relevant Clause of order dt 4.6.2020 and as amended from time to time shall apply.	

## REGARDING RESTRICTION OF BIDDERS SHARING LAND BORDER WITH INDIA

Tender conditions for Restriction of bidders sharing land border with India vide Office memorandum dt 23.7.2020 Order - Public Procurement no 1 dt 23.7.2020, Order no 2 dt 23.7.2020 and Order no 3 dt. 24.7.2020	
A	Requirement of registration
1	Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with competent authority as per C below. In works contracts , including turkey contracts , contractors shall not be allowed to sub contract works to any contractor from a country which shares a land border with India unless such contractor is registered with Competent authority. Relevant certificate to be submitted by bidder from a country which shares land border with India except for bidders to which Govt of India has extended lines of Credit or in which Govt of India has development projects, along with the offer as proof of registration with competent authority, failing which the offer will not be considered. A certificate is to be submitted by the bidder for compliance with the order referred above alongwith tender documents for consideration of offer (Wordings are as per Clause below). If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law.
2	Wordings of certificate to be submitted along with tender documents
	I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I hereby certify that this bidder is not from such a country or, if from such a country, has been registered with the competent authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. (Evidence of valid registration by the competent authority shall be attached wherever applicable).
3	Wordings of certificate to be submitted along with tender documents for Works involving possibility of sub contracting
	I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub contracting to contractors from such countries. I certify that this bidder is not from such a country or if from such a country has been registered with the competent authority and will not subcontract any work to a contractor from such countries unless such contractor is registered with the competent authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered (Evidence of valid registration by the competent authority shall be attached wherever applicable)
B	Validity of registration
1	Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder is validly registered at the time of acceptance /order placement, registration shall not be a relevant consideration during contract execution.

C	Competent authority and Procedure for registration
1	The competent authority for the purpose of registration under the order shall be Registration committee constituted by the Department of Promotion of Industry and Internal Trade (DPIIT). Details of the committee and procedure for registration and restrictions shall be as per Ann I of the Order - Public Procurement no 1 dt 23.7.2020 issued by Ministry of Finance, department of Expenditure.
D	Definition of Bidder and Bidder from a country sharing land border with India
1	Bidder is defined as any person or firm or company including any, member of a consortium or joint venture, every artificial, juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.
2	<p>"Bidder from a country which shares a land border with India" for the purpose of this Order means:-</p> <ul style="list-style-type: none"> <li>a) An entity incorporated, established or registered in such a country; or</li> <li>b) A subsidiary of an entity incorporated, established or registered in such a country; or</li> <li>c) An entity substantially controlled through entities incorporated, established or registered in such a country; or</li> <li>d) An entity whose beneficial owner is situated in such a country; or</li> <li>e) An Indian (or other) agent of such an entity; or</li> <li>f) A natural person who is a citizen of such a country; or</li> <li>g) A constitution or joint venture where any member of the consortium or joint venture falls under any of the above.</li> </ul>
3	<p>Type of business entity (Private Limited Company/ Public Limited Company/ Sole Proprietorship/ One Person Company/ Partnership/ Limited Liability Partnership/ Joint Venture/ Trust/ NGO) In case of incorporated entity - to attach certificate of incorporation</p>
	<p>Beneficial Owners - as defined in the Department of Expenditure Order (Public Procurement No.1) issued vide No. F.No.6/18/2019-PPD dated 23<sup>rd</sup> July, 2020. Details of all beneficial owners having entitlement of more than 01% of shares or capital or profit to be given, in the format as given in Annexure-I duly certified by practicing Chartered Account in India.</p>

All other terms & conditions of the tender remain unchanged.

For Deputy General Manager(SRM)  
Cochin Shipyard Limited

**COMPLIANCE MATRIX**

**(TO BE SUBMITTED WITH THE "Technical" BID)**

SL.NO.	DESCRIPTION	REMARK
1.	ACCEPT THE ENTIRE SCOPE OF WORK AS PER ENQUIRY	YES / NO
2.	IF THE ANSWER TO QUESTION 1 ABOVE IS NO, PLEASE LIST THE SPECIFIC JOBS NOT BEING UNDERTAKEN AS A DEVIATIONS LIST AND ATTACH WITH THIS MATRIX.	LIST OF DEVIATIONS FROM SCOPE OF WORK ATTACHED/ NOT ATTACHED
3.	ACCEPT THE GENERAL TERMS AND CONDITIONS AND TENDER TERMS & CONDITIONS INDICATED IN THE ENQUIRY.	YES / NO
4.	IF THE ANSWER TO QUESTION 3 ABOVE IS NO, LIST THE DEVIATIONS AND ATTACH WITH THIS MATRIX.	LIST OF DEVIATIONS FROM GTC.
5.	PAYMENT TERMS AS INDICATED IN ENQUIRY IS ACCEPTABLE.	YES / NO

(Signature of the Contractor)

Seal of the firm.

UNPRICE BID						
MP1/Civil works for sewerage and sanitation system/CMSRU				Encl.8		
Mention:Quoted/Not quoted against XX						
S/No.	Description of Work	Quantity	Unit	Unit Rate	Total Rate	GST%
	<b><u>EARTH WORK</u></b>					
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil ,backfilling the same soil or disposal of surplus excavated soil as directed.Rate is inclusive of demolishing bituminous surface/ concrete/ rubble/ solingstone etc if any.complete.	20.00	m <sup>3</sup>	xx		
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	8.00	m <sup>3</sup>	xx		
3	Providing Form work,Centering and shuttering including strutting, propping using shuttering sheet,supporting beams, supporting jacks,wooden planks and other incidentals etc. including removal of formwork after completion of work and clearing all materials and cost and conveyance of all materials labour etc	10.00	m <sup>2</sup>	xx		
	<b><u>BRICK/BLOCK/STONE WORK</u></b>					
4	Brick work in CM 1:4 for half brick wall using class designation 7.5 for superstructure including cost and conveyance of all materials, labour, other incidentals etc complete, excluding cost of cement.					
a.	Rate for Foundation and basement	20.00	m <sup>2</sup>	xx		
b	For super structure	10.00	m <sup>2</sup>	xx		
	<b><u>FLOORING</u></b>					
5	Providing and laying plain cement concrete 1:11/2:3 using 6mm/12mm down graded IS nominal size hard broken metal after cleaning the surface including cost and conveyance of all materials, formwork, labour for mixing, laying, consolidating curing etc.complete but excluding cost of cement.	10.00	m <sup>3</sup>	xx		
6	Supplying and laying non-slippery/anti-skid ceramic flooring tiles of approved brand (Kajaria/NITCO/H&R Johnson/Somany) ,quality and colour set in CM 1:4 20mm thick and Jointing with grey cement slurry @ 3.3 kg/sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals (size 300mm x 300mm), excluding cost of cement.etc. complete	4.00	m <sup>2</sup>	xx		
7	Supplying and laying approved type and colour Vitrified flooring Tiles approved brand (Kajaria / Somany / Nitco/ Simpolo/H&R Johnson) , set in CM 1:4 20mm thick and jointing with grey cement slurry @ 3.3 kg/ sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals etc. complete, excluding cost of cement.					
a.	600x600mm	4.00	m <sup>2</sup>	xx		
8	Dismantling &Relaying the available floor tiles work in all floors of the building set in CM 1:4 20mm thick and jointing with grey cement slurry @ 3.3 kg/ sqm for the proper binding of the tiles to line and level, pointing the joints with coloured cement to match with the tiles including cost and conveyance of all materials, labour other incidentals etc. complete, excluding cost of cement.	4.00	m <sup>2</sup>	xx		
	<b><u>FINISHING</u></b>					
9	Plastering with CM floated hard and trowelled smooth including cost and conveyance of all materials, labour, curing including scaffolding etc.complete as directed by the Engineer-in- charge but excluding cost of cement.					
a.	1:4, 12mm thk.(1cement : 4Fine sand)	25.00	m <sup>2</sup>	xx		
b.	1:3, 20mm thk.(1cement : 3Fine sand)	25.00	m <sup>2</sup>	xx		
	<b><u>DISMANTLING/DEMOLISHING</u></b>					
10	Demolishing PCC/RCC work manually/ by mechanical means including separately removing and stacking the available reinforcement and clearing away the debris as per directed by EIC etc. complete.	10.00	m <sup>3</sup>	xx		
11	Dismantling and removing tiles set in cement mortar including cleaning and stacking, serviceable materials and removing the debris as per directed by EIC etc. complete.	2.00	m <sup>2</sup>	xx		

12	Disposal of debris generated during construction/excess soil available in site to Municipal dumping ground outside CMSRU/MbPA premises and making the site clean.	10.00	m3	xx		
	<b><u>MAN POWER SUPPLY</u></b>					
13	Carrying out miscellaneous works by arranging various categories of labour as per the direction of the Engineer-in-charge.					
a.	Man(Unskilled)	30.00	day	xx		
b.	Semi skilled	30.00	day	xx		
c.	Mason, Carpenter,welder,Plumber, Painter,aluminium fabricator(Skilled)	30.00	day	xx		
	<b><u>SUPPLY AND STACKING</u></b>					
14	Supplying and stacking at site OPC conforming to relevant IS.	2.00	T	xx		
	<b><u>WATER SUPPLY/SANITARY/SEWAGE</u></b>					
15	Supplying and fixing glazed earthenware European type water closet of white colours with 8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate for European type W.C.(Hindware/Kingston/ Prima /Parko/ Marc),plastic seat with lid with controlled flush, low level cistern made of vitreous china of 10 litre (full flush) capacity-white etc complete.	1.00	nos	xx		
16	Clearing the chocking of outlet pipes / gully traps / urinals / wash basins etc in all the floors, including all incidental charges, dismantling,cleaning and refitting the waste pipes if necessary, all as directed by the Engineer-in-charge	20.00	nos	xx		
17	Clearing the closet chocking without damaging to the closet as directed by the Engineer-in-charge.	20.00	nos	xx		
18	Cleaning the sewer pipe line and clearing the scum, sludge, floating objects etc. and disposing the same in pits which are already excavated at places pointed out by the Engineer-in-charge including backfilling the pit with the excavated earth without emitting foul smell etc. complete all as directed by the Engineer-in-charge.	70.00	m	xx		
19	Cleaning of PVC /HDPI make water storage tank (inside surface area) at all heights with brshes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of paint and disposing of malba all complete as per direction of Engineer-in-Charge.	35,000.00	ltr	xx		
20	Cleaning the Masonry / RCC overhead tank at various levels in various residential /office building by clearing all debris and moss etc. cleaning the side walls, floors and slab by wire brushing. The rate includes all labour charges, cost of fuel, hire for pump and tools etc. all as directed by the Engineer-in-charge.					
a)	Up to 10,000 litres capacity	5.00	nos	xx		
21	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design including man, material complete as per direction of Engineer-in-charge.	4.00	nos	xx		
22	Taking out existing CC interlocking paver block carefully from the areas including removal of rubbish soil, broken concrete items etc & disposal of unserviceable materials to the dumping ground for which payment shall be paid in item:unskilled labours & stacking of serviceable materials within 50m lead as per direction of Engineer-in-charge.	25.00	m <sup>2</sup>	xx		
23	Levelling the ground &,providing 50mm thk compacted bed , laying old cement concrete interlocking paver blocks(already available) of any design/shape laid in required line, level, curvature, colour and pattern over and including compacting the area properly, filling the joints, etc all complete workas per the direction of Engineer-in-charge.	25.00	m <sup>2</sup>	xx		
24	Cleaning of sewage chambers & waste should be disposed outside the MbPA premises includes all the labours,machinery,material required for the completion	20	nos	xx		
25	Supplying, threading, laying and jointing the following dia. 'B' class G.I pipes and specials such a tees, bends, elbows, checknuts etc. with clamps, plugs, screws etc.. complete all as directed by the Engineer-in-charge.					
a)	25NB	1.00	m	xx		
b)	40NB	1.00	m	xx		
c)	50NB	1.00	m	xx		
d)	100NB	1.00	m	xx		

26	Supplying, fixing, laying and jointing the following dia PVC pipes with pasted type joints of approved quality using solvent cement including all cost and conveyance of all materials, sundries etc. complete. The rate shall be inclusive of supplying and fixing necessary specials(tees,bends,couplings etc.) as per the direction of the Engineer-in-charge. (Pipe pieces of length below 50cm used for leak rectification works will not be measured under this item).					
a)	20mm dia PVC pipe (10kg/cm2)	1.00	m	xx		
b)	25mm dia (10kg/cm2)	1.00	m	xx		
c)	32mm dia (10kg/cm2)	1.00	m	xx		
d)	40mm dia (10kg/cm2)	1.00	m	xx		
e)	50mm dia (10kg/cm2)	1.00	m	xx		
f)	63mm dia (6kg/cm2)	1.00	m	xx		
g)	75mm dia (6kg/cm2)	1.00	m	xx		
27	Supplying, laying and jointing CPVC pipes of approved quality and brand for hot water line with suitable specials, including cost and conveyance of all materials, necessary specials(tees,bends,couplings etc.), other incidentals etc. complete for all levels.					
a)	15 mm size	1.00	m	xx		
b)	20 mm size	1.00	m	xx		
c)	25 mm size	30.00	m	xx		
d)	32 mm size	1.00	m	xx		
e)	50 mm size	1.00	m	xx		
28	Supplying and fixing ISI marked / best quality approved brand 110 mm PVC pipe including all specials like bedns/tees/elbows at all heights including cost and conveyance, all labour and all other incidentals etc. complete all as directed by the Engineer-in-charge.					
a)	110mm PVC	10.00	m	xx		
29	Supplying and fixing the approved quality and brand ISI marked high level / low level PVC flushing cistern 10 litre or nearest capacity, including cost of materials, labour charges, all other incidentals etc. complete as per the direction of the Engineer-in-charge.					
a)	White colour	1.00	Nos	xx		
30	Supplying and fixing approved branded ((Hindware/Paryware/RAK/Cera) quality and shade 550mmx 400mm or nearest size wash hand basins of glazed earthenware, with necessary brackets, one central single lever quarter turn pillar cock with foam flow, one central 15mm PVC connection, 1 no 15 mm CP stop cock , CP brass waste of standard patterns, 32mm PVC waste pipe, cutting and making good the walls, painting the brackets two coats including cost and conveyance of all materials, labour, other incidentals etc. complete.	1	Nos	xx		
31	Providing and fixing in position approved quality white glazed earthenware flat back lipped front urinal 265 x 315 x 440mm or nearest size having a 15mm PVC connection, 32mm or nearest dia PVC waste connection and 1 no CP spreader connected to waterline and 15mm brass push cock, cutting and making good the walls and floors, including cost and conveyance of all materials, screws, plugs, labour, other incidentals, etc. complete. All PVC items are to be heavy duty type.	1	Nos	xx		
32	Dismantling/removal of European type closet including removal of all fixtures without causing damage to the other existing floor including all labour,machinery for the complete work	4	Nos	xx		
33	Cleaning of stormwater drains(chambers) & waste should be disposed inside the CMSRU premises includes all the labours,machinery,material required for the completion	20	Nos	xx		
34	Cleaning the storm water pipe line and clearing the scum, sludge, floating objects etc. and disposing the same in pits which are already excavated at places pointed out by the Engineer-in-charge complete all as directed by the Engineer-in-charge.	50	m	xx		

35	Providing and laying reinforced cement concrete 1:1 <sup>1</sup> / <sub>2</sub> :3 using 20mm down graded broken granite metal for slabs including cost and conveyance of all materials, labour for mixing, laying, consolidating, curing, cost of dewatering etc.complete but excluding cost of cement, cost of formwork and cost of reinforcement. (formwork will be measured separately).					
a	All work upto plinth level	2	m <sup>3</sup>	xx		
b	Superstructure	2	m <sup>3</sup>	xx		
TOTAL AMOUNT						
TOTAL AMOUNT INCLUSIVE OF GST						

Contractor's Seal & Signature

**Health, Safety & Environment Contract Guidelines for OEMs /Turnkey jobs / Sub contract works**  
**inside CSL** **Encl: 9**

**Introduction**

CSL is the largest public sector shipyard in India in terms of dock capacity, and caters to clients engaged in the defence sector in India and clients engaged in the commercial sector worldwide.

CSL is committed to provide safe and healthy work environment for the prevention of work- related injury and ill health by following the best practices in safety. CSL is certified Occupational Health and Safety management System and Environmental Management system under ISO standards/international standard.

Many of the works of CSL at various sites are executed by the sub-contractors. During these works, sub-contractors personnel are likely to be exposed to different types of hazards. Similarly unsafe acts of contractors personnel may create hazards for CSL staff or workmen of other contractors working at the site. Such unsafe acts may also pose danger to the existing installations and even to members of public.

CSL ensures that the requirements of its HSE Management System are conveyed by contractors and their workers. This guide is prepared to facilitate safe working during execution of contract works. The General guide lines and HSE requirements are given below for compliance in CSL.

**I. General guidelines**

1. OEMs/Turnkey jobs /Contractors are selected to work inside the CSL based on their track record.
2. Along with the contract order/Registration, a copy of the HSE Safety Handbook (CSL/ QMS/S&F/SOP 02) of CSL is given to all contractors. The details of all HSE requirements to be followed in CSL for the various types of work are detailed in the hand book. The OEMs/Turnkey jobs /Contractors shall go through all the details and strictly follow the relevant HSE guidelines for their work. In case of any doubt the same shall be clarified from Chief Safety Officer (CSO). Being ignorant of these HSE requirements will not be treated as an excuse for any HSE violations during course of work.
3. OEMs/Turnkey jobs /Contractors workmen are given a multilingual HSE induction and Emergency Response training. The individual passes for contractors and their workers are issued only after successful completion of this training. The passes are revalidated every year after successful completion of refresher training. Training requirements of other roles of the subcontractor's staff shall be complied as per the CSL requirements time to time.
4. Before start of any work, the CSL officer in charge explains the scope of work and the safety precautions, hazards, PPE usage as per PPE matrix of CSL, Work Instructions, SOPs, Emergency responses to the contractor and his workers. Only trained worker with necessary skills are allowed to work as per the requirement. Necessary PPEs for the work are to be arranged by the contractor.
5. Workmen shall have Cotton coverall with identifiable logo on the dress. Supervisors, fire watch man if required, safety staff and other workforce shall be deployed as per CSL guide lines.
6. The site work supervisor of the OEMs/Turnkey jobs /Contractors shall be ensured that works are being carried out by CSL HSE requirements on daily basis and till the completion of works. The safe start and safe end requirements shall be verified by the site work supervisor on daily basis.
7. OEMs/Turnkey jobs /Contractors HSE performance will be evaluated on HSE matters as per the CSL policies time to time.
8. During the course of work if any HSE violation is noticed the same is dealt as per the Rewards and Reprimand (R&R) Policy of CSL.

**II. HSE requirements**

1. The OEMs/Turnkey jobs /Contractors shall take all safety precautions during the execution of awarded work and shall maintain and leave the site safe at all times. At the end of each working day and at all times when the work is temporarily suspended, he shall ensure that all materials,

- equipment and facilities will not, cause damage to existing property, personal injury or interfere with the other works of the project or Station.
2. The OEMs/Turnkey jobs /Contractors shall provide and maintain all type of lights, guards, fencing, warning signs, caution boards and other safety measures for vigilance as and where necessary or as required by the CSL officer-in-charge or Safety staff. The caution boards shall also have appropriate symbols.
  3. Where Permit to work (PTW) is required, the work has not started without obtaining the necessary permit and the PTW requirements are followed strictly throughout the work.
  4. For Project specific or non-routine work on the existing installations, separate Job Safety Assessment (JSA) is to be prepared by the contractor, cleared by the Dept in charge and approval obtained from CSO before start of work.
  5. A separate HSE plan will be required for the new projects in the yard or any turnkey projects. It shall be in line with CSL HSE requirements and same shall be routed through respective S&F dept and approved by respective HOD.
  6. OEMs/Turnkey jobs /Contractors shall hold toolbox talks with his workers on daily basis to convey matters regarding the Safety aspects of the work.
  7. The OEMs/Turnkey jobs /Contractors shall plan his operations so as to avoid interference with other Departmental works and other Sub-Contractors at the site. In case of any interference, requires, coordination shall be sought by the contractor from the Department for safe and smooth execution of work. This shall be done through CSL executing officer.
  8. The OEMs/Turnkey jobs /Contractors shall at all times keep their work spot, site office and surroundings clean and tidy from rubbish, scrap, surplus materials and unwanted tools and equipment. Welding cables, hoses and electrical cables shall be so routed as to allow safe way to all concerned.
  9. All waste generated in course of the work shall be segregated as per the yard requirements and shall be disposed at the respective collection pallets / points of the work areas as the case may be. Any kind of pollution made by the subcontractor shall attract the reprimand proceedings.
  10. All necessary precautions shall be taken to prevent outbreak of fires at the work site. Adequate provisions shall be made to prevent the possibility of fires and ensure the availability of fire extinguishers at site.
  11. The OEMs/Turnkey jobs /Contractors shall be held responsible for non-compliance of any of the safety measures and delays, implications, injuries, fatalities and compensation arising out of such situations of incidents including statutory obligations.