LIST OF DRAWINGS

S.NO.	DRAWING NO.	DESCRIPTIONS	DATE	REV
1	IITM-CPA-EWJ-DWG-001	DRAWING LIST	30.10.26	C
2	IITM-CPA-EWJ-DWG-002	GENERAL NOTES	03.08.26	C
3	IITM-CPA-EWJ-DWG-004	OVERALL LAYOUT	30.10.26	D
4	IITM-CPA-EWJ-DWG-005-02	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 1 OF 5)	03.08.26	C
5	IITM-CPA-EWJ-DWG-005-03	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 2 OF 5)	03.08.26	C
6	IITM-CPA-EWJ-DWG-005-06	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 3 OF 5)	03.08.26	C
7	IITM-CPA-EWJ-DWG-005-07	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 4 OF 5)	03.08.26	C
8	IITM-CPA-EWJ-DWG-005-08	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 5 OF 5)	03.08.26	C
9	IITM-CPA-EWJ-DWG-007-02	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 1 OF 10)	03.08.26	C
10	IITM-CPA-EWJ-DWG-007-03	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 2 OF 10)	03.08.26	C
11	IITM-CPA-EWJ-DWG-007-05	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 3 OF 10)	03.08.26	C
12	IITM-CPA-EWJ-DWG-007-06	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 4 OF 10)	03.08.26	C
13	IITM-CPA-EWJ-DWG-007-07	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 5 OF 10)	03.08.26	C
14	IITM-CPA-EWJ-DWG-007-08	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 6 OF 10)	03.08.26	C
15	IITM-CPA-EWJ-DWG-007-09	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 7 OF 10)	03.08.26	C
16	IITM-CPA-EWJ-DWG-007-10	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 8 OF 10)	03.08.26	C
17	IITM-CPA-EWJ-DWG-007-11	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 9 OF 10)	03.08.26	C
18	IITM-CPA-EWJ-DWG-007-12	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 10 OF 10)	03.08.26	C
19	IITM-CPA-EWJ-DWG-010-01	LAYOUT AND RC DETAILS OF MOORING PLATFORM (SHEET 1 OF 2)	30.10.26	B
20	IITM-CPA-EWJ-DWG-010-02	PILE DETAILS OF MOORING PLATFORM (SHEET 2 OF 2)	30.10.26	B
21	IITM-CPA-EWJ-DWG-008	LAYOUT AND SECTION OF MOORING PLATFORM	30.10.26	B

ISSUED FOR TENDER PURPOSE ONLY

REV.	DATE	DESCRIPTION	DRAWN	CHECKED
C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG

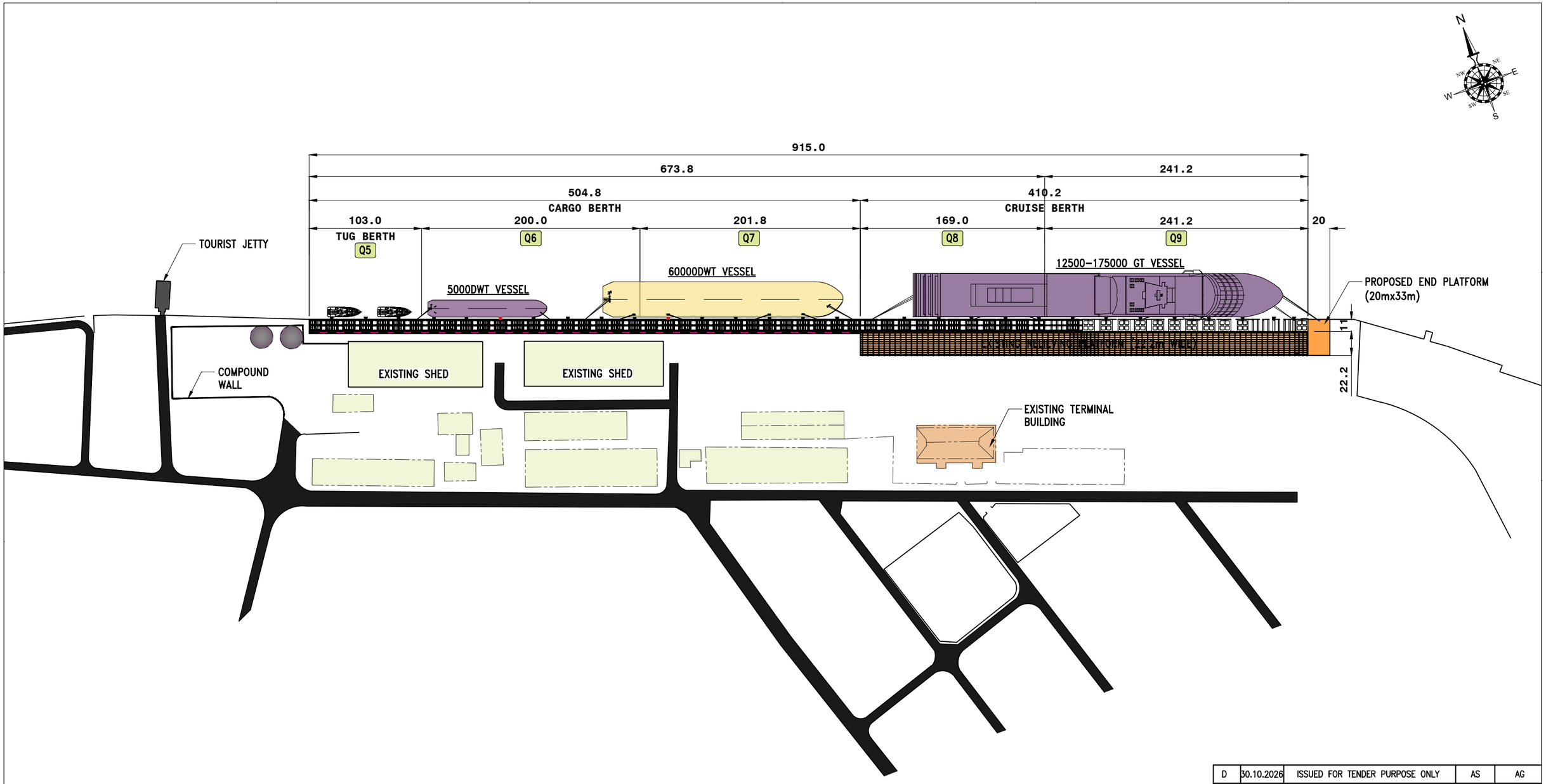
CONSULTANT:
PROF.S.NALLAYARASU
DEPARTMENT OF OCEAN ENGINEERING
IIT MADRAS, CHENNAI

OWNER:
COCHIN PORT AUTHORITY
MALABAR ROAD, WILLINGDON ISLAND,
KOCHI, KERALA 682009

PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF

TITLE: DRAWING LIST

DRAWING NO. IITM-CPA-EWJ-DWG-001	DATE: 30.10.26	REV: C



OVERALL LAYOUT

(SCALE 1:3.5)

ISSUED FOR TENDER PURPOSE ONLY

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

REV.	DATE	DESCRIPTION	DRAWN	CHECKED
D	30.10.2026	ISSUED FOR TENDER PURPOSE ONLY	AS	AG
C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG

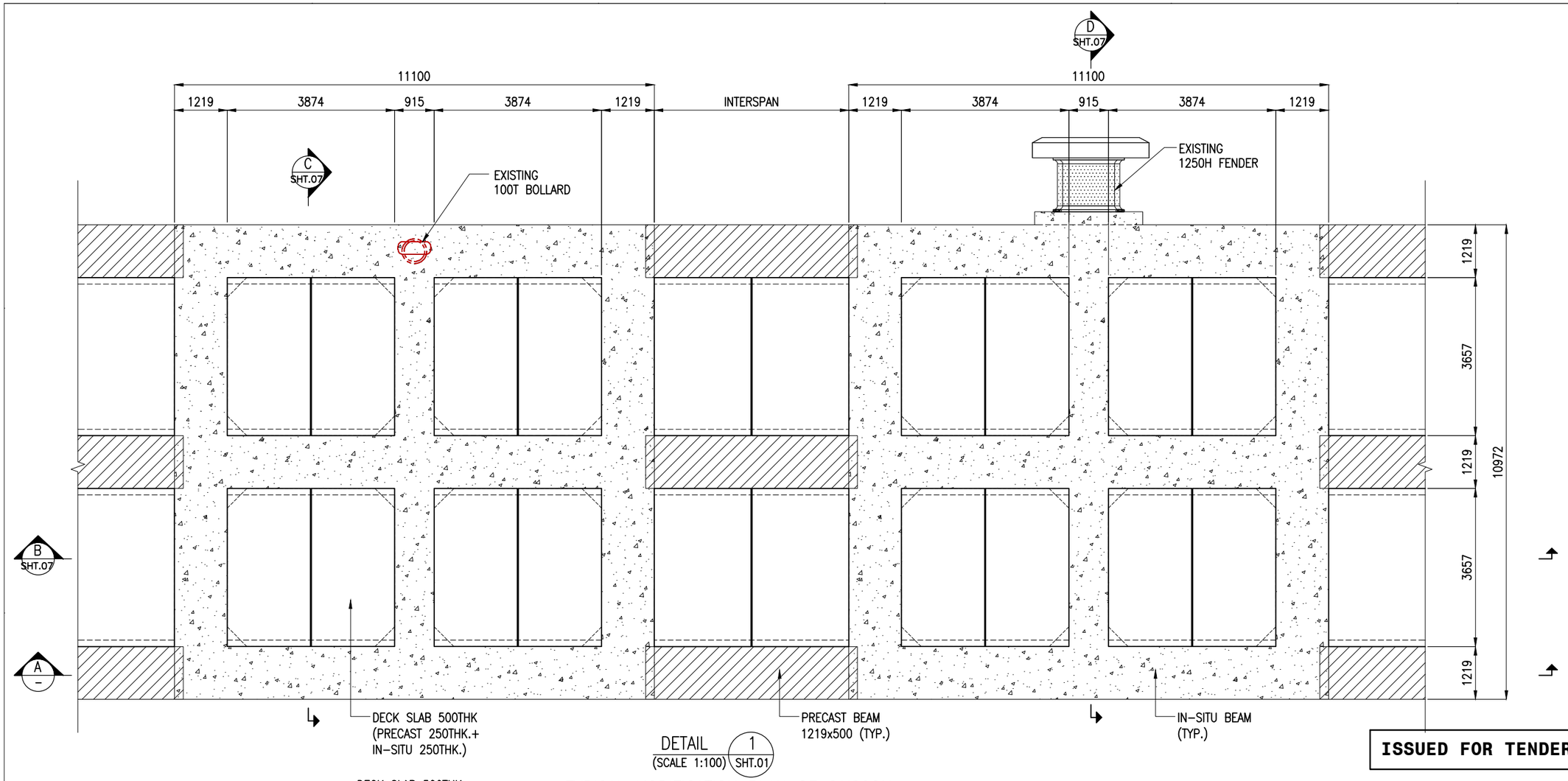
CONSULTANT:
PROF.S.NALLAYARASU
DEPARTMENT OF OCEAN ENGINEERING
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OWNER:
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MALABAR ROAD, WILLINGDON ISLAND,
KOCHI, KERALA 682009

PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF

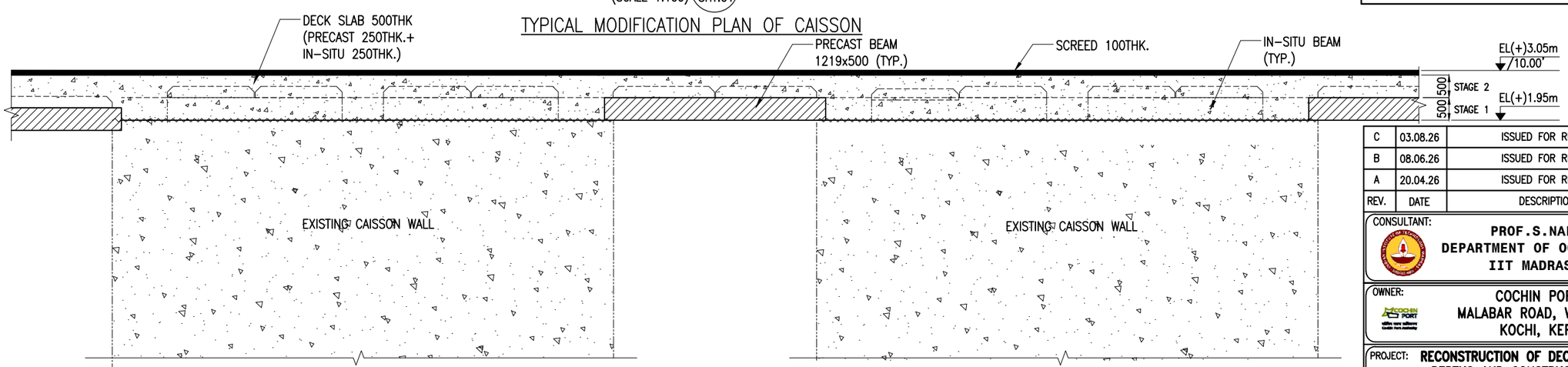
TITLE: OVERALL LAYOUT

DRAWING NO.	DATE	REV.
IITM-CPA-EWJ-DWG-004	30.10.26	D



DETAIL 1 (SCALE 1:100) SHT.01

TYPICAL MODIFICATION PLAN OF CAISSON



SECTION A – SCALE 1:100

ISSUED FOR TENDER PURPOSE ONLY

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
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REV.	DATE	DESCRIPTION	DRAWN	CHECKED
C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG

CONSULTANT:
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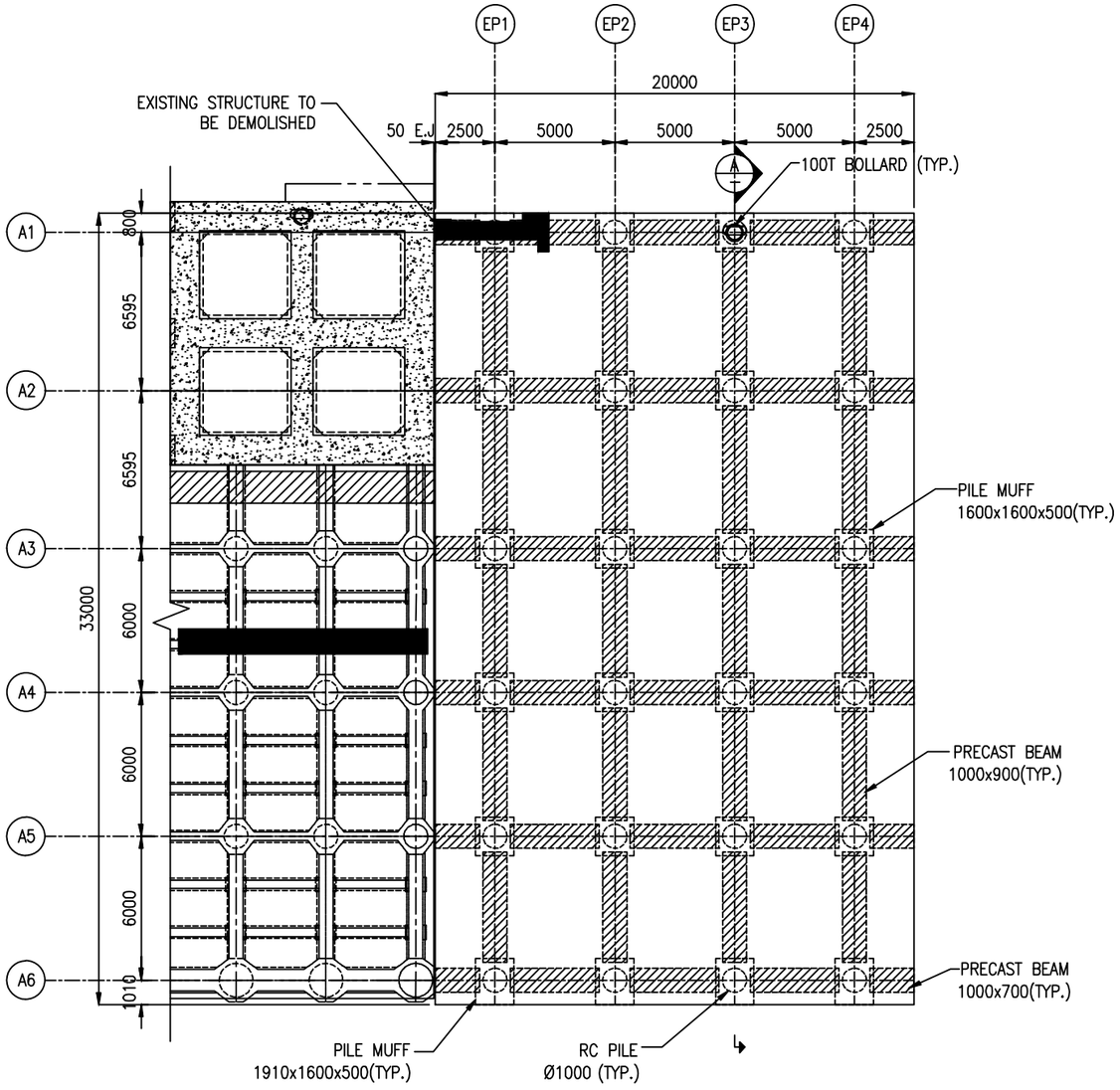
OWNER:
COCHIN PORT AUTHORITY
MALABAR ROAD, WILLINGDON ISLAND,
KOCHI, KERALA 682009

PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF

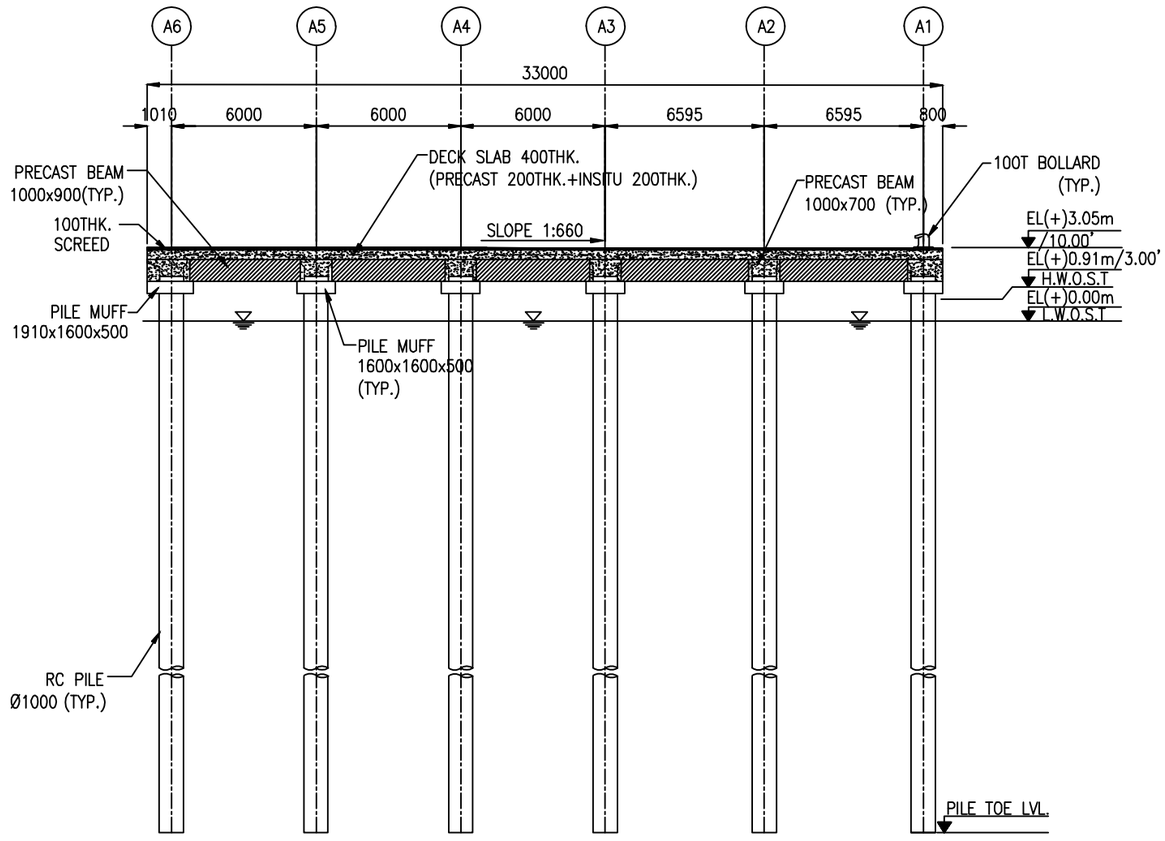
TITLE: LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 3 OF 5)

DRAWING NO. IITM–CPA–EWJ–DWG–005–06 | DATE: 03.08.26 | REV: C

1 2 3 4 5 6 A B C D



PLAN OF END PLATFORM
SCALE 1:250



SECTION A
SCALE 1:250

ISSUED FOR TENDER PURPOSE ONLY

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

REV.	DATE	DESCRIPTION	DRAWN	CHECKED
C	30.10.2026	ISSUED FOR TENDER PURPOSE ONLY	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	VI	AG

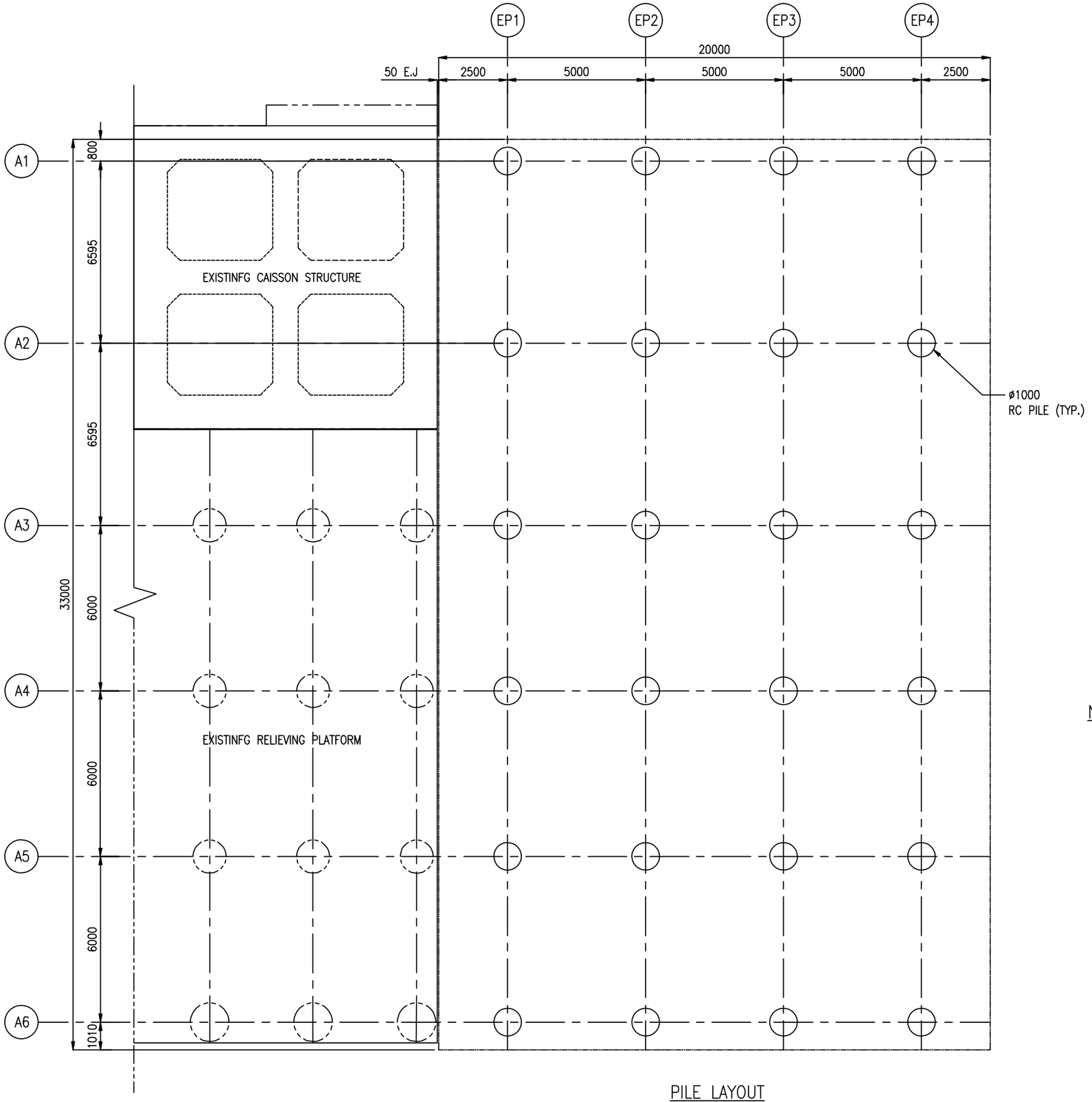
CONSULTANT:
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KOCHI, KERALA 682009

PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF

TITLE: LAYOUT AND SECTION OF MOORING PLATFORM

DRAWING NO. IITM-CPA-EWJ-DWG-008 | DATE: 30.10.2026 | REV: C



PILE LAYOUT

SCALE 1:150

ISSUED FOR TENDER PURPOSE ONLY

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS INDICATED ARE IN METERS WITH RESPECT TO CHART DATUM.
3. FOR GENERAL NOTES, MATERIAL DETAILS AND SYMBOLS/ABBREVIATIONS FOR STEEL AND CONCRETE WORKS REFER DWG. NO. IITM-CPA-EWJ-DWG-002.

REV.	DATE	DESCRIPTION	DRAWN	CHECKED
C	30.10.2026	ISSUED FOR TENDER PURPOSE ONLY	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG

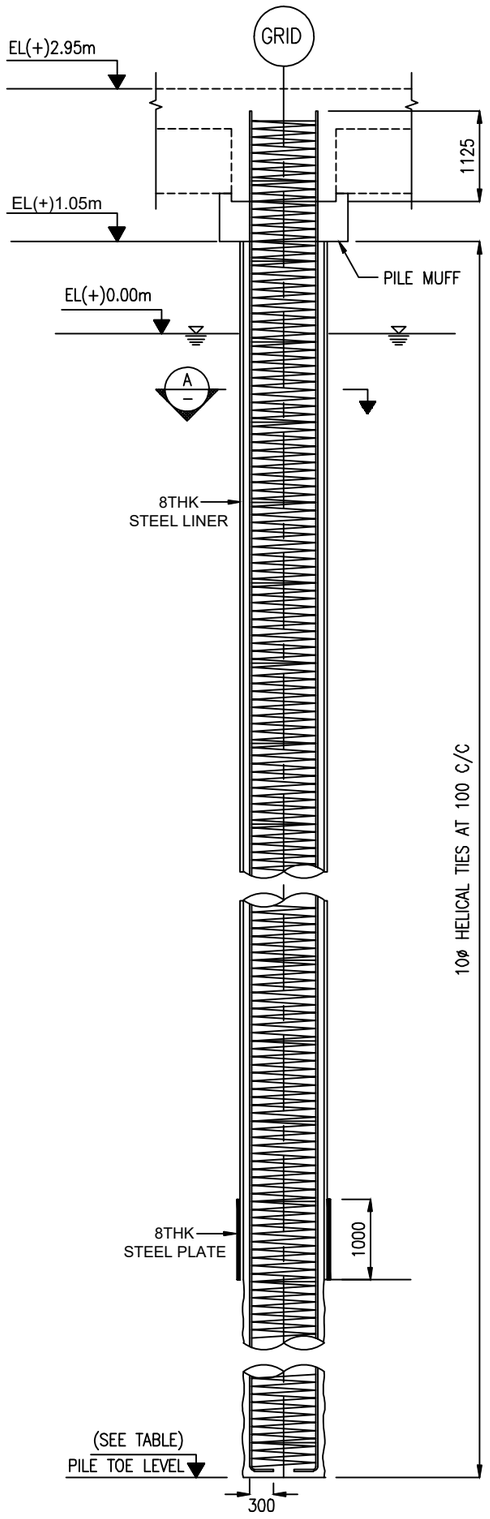
CONSULTANT:
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OWNER:
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KOCHI, KERALA 682009

PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF

TITLE: LAYOUT AND RC DETAILS OF MOORING PLATFORM
(SHEET 1 OF 2)

DRAWING NO. IITM-CPA-EWJ-DWG-010-01 | DATE: 30.10.2026 | REV: C

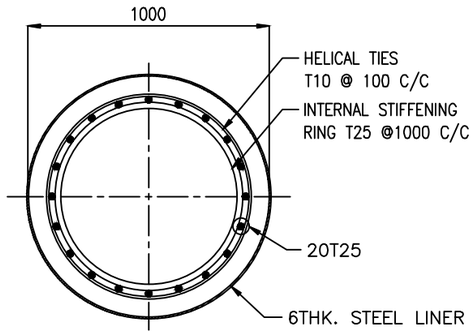


VERTICAL SECTION OF 1000ø PILE

(SCALE 1:75)

PILE SCHEDULE:

S.NO	PILE ø (mm)	GRID		NO.OF PILES	BOTTOM OF LINER (m)	EXISTING G.L(M)	PILE CUT-OFF LVL. (m)	PILE TOE LVL. (m)	PILE WORKING LOAD (T)	
									VER	HOZ
1	1000	A1	EP1 TO EP4	04	-13.10	+3.05	+1.15	-40	260	10
2	1000	A2	EP1 TO EP4	04	-13.10	+3.05	+1.15	-40	260	10
3	1000	A3	EP1 TO EP4	04	-13.10	+3.05	+1.15	-40	260	10
4	1000	A4	EP1 TO EP4	04	-13.10	+3.05	+1.15	-40	260	10
5	1000	A5	EP1 TO EP4	04	-13.10	+3.05	+1.15	-40	260	10
5	1000	A5	EP1 TO EP4	04	-13.10	+3.05	+1.15	-40	260	10
TOTAL NO. OF PILES = 24										



SECTION A – SCALE 1:25

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS INDICATED ARE IN METERS WITH RESPECT TO CHART DATUM.
3. FOR GENERAL NOTES, MATERIAL DETAILS AND SYMBOLS/ABBREVIATIONS FOR STEEL AND CONCRETE WORKS REFER DWG.NO.IITM-CPA-EWJ-DWG-002.
4. LINER SHALL BE DRIVEN TO REFUSAL/UPTO THE LEVEL SHOWN IN THE DRAWING.
5. STRUCTURAL STEEL FOR LINER SHALL CONFORM TO IS:2062 GRADE E250.
6. THE EXISTING GROUND LEVEL / SEABED LEVEL SHOWN IN THE DRAWINGS IS TENTATIVE AND SHALL BE VERIFIED DURING BORING
7. PILE SHALL BE CAST 600mm HIGHER THAN THE PILE CUT-OFF LEVEL AND OVERFLOW OF CONCRETE SHALL BE OBSERVED AND THE ADDITIONAL LENGTH OF PILE SHALL BE CUT AFTER 28 DAYS OF CASTING THE PILE.

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PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF

TITLE: PILE DETAILS OF MOORING PLATFORM
(SHEET 2 OF 2)

DRAWING NO. IITM-CPA-EWJ-DWG-010-02 | DATE: 30.10.2026 | REV: C