#### **CORRIGENDUM-I**

### Name of Work: DESIGN, ENGINEERING & CONSTRUCTION FOR REHABILITATION OF 7, NSD OLD BERTH INCLUDING DEVELOPMENT OF BACK YARD AT N.S. DOCK, KDS, SMP, KOLKATA"

#### NIT NO. SMPK/KDS/CIV/T/2622/60 Dt. 29.10.2021

Reference to subject tender, please find the followings vide this **CORRIGENDUM-I:** 

- I) Extension of Submission & Opening dates of tender
- II) Authority's reply to queries of bidders.
- III) Few additional information and inputs regarding said tender by SMPK.
- **IV)** Four (4) Nos. drawings (PDF) & one sketch (PDF) All above are the part of the Tender document.

#### I) Extension of submission & opening dates:

Page Ref.	In place of	To be read as
4,10,11,48,49, Corrigendum- I & wherever applicable.	LAST DATE AND TIME FORRECEIPT OF BIDS:- 09.12.2021 upto15:00 Hrs	LAST DATE AND TIME FORRECEIPT OF BIDS:- 04.01.2022 upto15:00 Hrs
Do	TIME AND DATE OF OPENING OF BIDS:- 10.12.2021 At 15:00 Hrs	TIME AND DATE OF OPENING OF BIDS:- 05.01.2022 at 15:00 Hrs

All other terms & conditions and Clauses will remain same as per original.

Superintending Engineer (Contract Cell) Forमुख अभियांता / Chief Engineer Name of Work :- E-tendering for 'DESIGN, ENGINEERING & CONSTRUCTION FOR REHABILITATION OF 7, NSD OLD BERTH INCLUDING DEVELOPMENT OF BACK YARD AT N.S. DOCK, KDS, SMP,KOLKATA"

#### II) Authority's reply in Response to Bidders' Queries:-

Sr. No	Page no.	Clause no.	Clause Description as given in Tender document	Queries of Bidders	Response of Authority (SMPK)
1.	141	1.1 (2)	Maximum Vessel size 172 mtr. X 25 mtr with DWT 18,000 ton.	Clause 5.2.2 (iii), page 144, mentioned 25,500 DWT, Design ship Size is 18,000 DWT OR 25,500 DWT— Please Confirm.	The DWT of the ship is 18000MT with water displacement of 25500 MT . For design purpose considers displacement.
2.	141	1.1 (4)	Dredge bed level of dock basin is 5.18 m. KODS.	Is it 5.18 m KODS or (-) 5.18 m KODS.	It is (-) 5.18 m KODS. Incidentally KODS level is 2.36 m below MSL is to be read instead of 2.82 m below MSL.
				Please confirm whether work will be performed with KODS as reference OR MSL	Work to be carried out w.r.t. KODS.
3.	141	1.1 (5, 6 & 8)	Angle of berthing, Velocity of approach and Berthing Force.	Mentioned here as per IS 4651, Part	
		0 & 6)	approach and berthing Force.	In clause 1.1" (16), page 142 mentioned "Providing and fixing marine fixtures such as SCN 1000H type rubber fender of reputed make likeBridge Stone".	Manufacturer of fenders will be Bridge Stone or other reputed manufacturer conforming to IS/International standard
				Please mention whether "SCN 1000H" is the Contract requirement OR shall be decided by thebidder as per 4651, Part III.	SCN 1000H rubber fender or equivalent is to be considered in design & installation.
				Please provide the list of accepted vendors instead of "like Bridge Stone" OR De fete "likeBridge Stone" and provide detailed specification of Fender.	Fenders of Bridgestone & similar reputed manufacturer will be accepted subject to satisfactory conformity to relevant IS/International Codal provision.

Sr.	Page	Clause	Clause Description as given in	Queries of Bidders	Response of Authority
No	no.	no.	Tender document		(SMPK)
4.	141	1.1(9)	Dia. of Pile will be 1200 mm	Dia "1200 mm" & cut off "(-)35.00 m, KoDS" —	Dia of Pile and Cut off level of piles are indicative only and should be considered as
			& Cut off length of Pile will be	Are they the contract requirement OR	preliminary reference.
			(- )35.00 m,KODS	shall be decided by the bidders as per	
				their design proposal satisfying 6.1 (ii)	
	4.44	4.4	PCC to be and ill and be	vis-à-vis codal provision.	
5.	141	1.1	PCC to be used will not be	Our understanding, this is applicable for PCC structures and	Yes
		(11)	below M-20 grade	not for Levelling concrète and pavement — Please Confirm.	
6.	142	1.1(13)	Construction of Service Trench	Please mark the plan layout of the	G.A drawing is attached only for reference.
			throughout the periphery both of berth and stacking	Service Trench in "SKETCH FOR BERTH NO. 7 &	However, it is to be provided by the successful
			yard duly provided with	STACK YARD"	bidder during making final layout of berth &
				included in Page 184 of the bid	yard which will be subsequently approved by EIC
				document.	Lic
7.	142	1.1	Providing and fixing marine	Please provide the drawing duly	Successful bidder shall have to do it during
		(16)	fixtures D-shackles etc.	marking the location of each fixture OR Mention the numbers	'Engineering' stage which will be subsequently
				required against each fixture.	approved by EIC.
8.	142	1.1	Providing crane track including	Please elucidate the Contract	Clearly mentioned in clause 1.1(17) in page
		(17)		requirement.	142.
			and foundation etc.	which one of the following is the Contract Requirement:	
				<ol> <li>Only space to be created for fixing of rails infuture. No Rail Suppl y&amp; Fixing. Such space to be filled with leaner concrete now for future</li> </ol>	
				use;	
				2. Rail to be supplied and Fixed. In	Fixing detail of Crane Rail including check rail

Sr. No	Page no.	Clause no.	Clause Description as given in Tender document	Queries of Bidders	Response of Authority (SMPK)
NO	no.	no.	render document	suchcase, following shall be provided:  • Rail detail covering check rail provision;  Wheel Load & Wheel configuration of theRMQC.	to be submitted by successful bidder during 'Engineering' stage which will be duly approved by EIC.
9.	142	1.1 (18)	Necessary foundation of high Mast of berth and stack yard	Please provide the following:  • Specified location of High Masts in the Layout drawing OR state  Number of High Masts; and  • Foot Print & Load Data of the High Mast  Tower at Top of Foundation.	To be provided by successful bidder after detail survey of site & preparation of final G.A. layout during Engineering stage, which will be subsequently approved by EIC.
10.	142	1.1 (19)	Erection and drive of Z-section area and stacking yard	Is It the Contract requirement OR shall be decided by the bidders as per their design proposal satisfying 6.1  (ii) vis-â-vis codal provision.	AZ 18 sheet pile is an indicative one and may be considered as design reference.
11.	143	1.2 (2)	Rich stacker and container trailer will operate on the yard	Please provide the Wheel configuration, Wheel Spacing, Axle Load, Tyre pressure etc. of each type of vehicles to be considered by the Contractor.	It will be as per Standard Reach Stacker & container trailer plying on container yard in Ports & Container Yard throughout India .
12.	143	2	Insure for Performance	Please elucidate the Contract requirement and provide the accepted terms of KDS, SMPTof suchinsurance.	The tenderer to insure the Project Value amount with an Insurance company in favour of SMPK and same should be done on year to year basis for 10 years from the date of completion of the work to take care of all risks for satisfactory operation on berth no.7,NSD

Sr. No	Page no.	Clause no.	Clause Description as given in Tender document	Queries of Bidders	Response of Authority (SMPK)
					and new container yard area and to be submitted within one month from the completion date of the project.  The bidder shall submit a B.G for premium amount payable in the 1 <sup>st</sup> year multiplied by 10(Ten), which shall have to be submitted with SMPK within one month from the completion date of the project.
13	143	5	The berth & Stack Yard design shall be based on the detailed survey	Please provide the "detailed survey" map of the existing facility.	Bidders, who are expected to carry out their own surveys, investigations and other detail examinations of the project before submitting their bids.
			Detail Design Report and  Drawingsfo r review, comments andapproval first. The work	Please Define the number days for review, comments and approval by PMC / KDS, SMPKagainst each submission by the contractor.	(i)Submission of detail design report with detailed drawings of the project by successful bidder to EIC - 21(twenty- one)days. (ii)Comments of SMPK-14(fourteen) days. (iii)Incorporation by successful bidder and resubmission - 12(twelve )days. (iv)Final approval of design & drawings by SMPK – 14(fourteen)Days.
				Submission Type i.e. soft copy only OR Hard copy also for draft submission.	Both soft copy and 7 sets of hard copy to be submitted both for draft & final submission.
				Please specify the number of copies of final drawings / documents to be submitted by the Contractor	Do
14.	143	5.1	The bidder to	Please provide the Layout proposed	Sketch already attached on page 184 of this

Sr. No	Page no.	Clause no.	Clause Description as given in Tender document	Queries of Bidders	Response of Authority (SMPK)
				by the PMC	tender document.
			.Stack Yard construction.	and SMP, to be adopted for construction.	GA drawing & Cross section drawings are also attached now as reference.
15.	144	5.2.1 (II)	Rail Mounted Quay Crane (RMQC)	Please provide the Following:  + Wheel Configuration;  • Wheel Load;  • Tie Down Location, Load & Arrangement;  • Storm Anchor Location, Arrangement andLoad;  • Buffer Requirement and the Load Data.	Already mentioned in 5.2.1.(II), Page-144
16.	145	5.2.4 (III)e.	Expansion Joints as per relevant IS code	Please specify the code and clause.	It is already mentioned that relevant IS code provision to be considered in design during Engineering.
17.	146	6.2 (i)	The bidder shall submit the designs for the structural system proposed which is in the Tender	Please provide the drawing showing the structural system proposed in the Tender — incase the same is mandatory to follow.	Only technical design datas are provided in the tender document.  Bidders are require to submit their own structural system based on design.
18.	147	8.2.1.5	Notice for Inspections of Materials	Please specify the minimum number of days required to serve notice.	At least three days prior notice is required.
				Testing of Fender, Bollard at shop - whether to be witnessed by Owner & PMC. If so, expenses withrespect to travel, accommodation, Fooding, etc Who will borne, please specify.	All tests will be witnessed by owner/PMC and all costs shall have to be borne by the contractor.

Sr.	Page	Clause	Clause Description as given in	Queries of Bidders	Response of Authority
No	no.	no.	Tender document		(SMPK)
19.	177	8.3.8.2	Last Para This clause shall be read in conjunction with the section relating to painting	Please provide the "section relating to painting"	It is deleted.
20.	180	8.3.9.3	Expansion Joints	Para 2 is contradicting with 5.2.4 (iii)e, page 145 and Also, last para contradicting with 1.1 (15), page 142. Please provide details of the	It is not contradicting.  The contractor should design the expansion joints & prepare drawings as per relevant I.S. code & submit design & drawings for approval during 'Engineering' stage which will be subsequently approved by EIC.
21.	183	Drawings 7,NSD BER	EXISTING DRAWING OF OLD	Provide drawing is not legible and with sufficient information.  Please provide the legible drawing with as built dimensions sufficient to assess the dismantling quantity	Soft copy (PDF) of old 7 NSD berth and GA drawing(PDF) & cross section(PDF) drawings are uploaded.  Bidders should visit the site and take details of the structure to assess the dismantling quantity.
22.	188	14. Water and drainage		Please provide the as built drawings of the "Water and drainage pipe lines electrical, telephone, I.T. and server cables etc" which are within the area to be provided to the contractor	Bidders should visit the site and take details of the existing layout of all service lines. However, a tentative drawing of existing service lines within the vicinity of working zone is uploaded.
23.	192	Drains, pipes, ITcables, overhead wires and similar services encountered in the course of the works shall be guarded from damage by the Contractor at his own cost, so that they may continue in full and uninterrupted use to the satisfaction of the owners		Please provide the as built drawings of the "Water and drainage pipe lines electrical, telephone, I.T. and server cables etc" which are within the area to be provided to the contractor and have to be guarded.	Already replied in Sl. No. 22.
24.	202	116		Please elaborate the procedure,	All the dismantled materials with sale value like

Sr.	Page	Clause	Clause Description as given in	Queries of Bidders	Response of Authority
No	no.	no.	Tender document		(SMPK)
		cables, et	ment/Structural steel, Steel, pipes, tc., at Port General Stores or as y the Engineer- in-Charge/ PMC.	have to be followed by the Contractor. Please define thelocation where such material to be delivered.	reinforcement, structural steel, Bollard, fenders etc. are to be deposited with designated place of MM (Materials Manager) of SMPK under direction of EIC which is within 5km from site.
25.			of price variation is not net tender documents.	It is our prayer to introduce price variation clauses for major constructional materials, steel, cement, labour, plant and machinery and POL.	Price variation will not be there in this contract.
26.	P-	Table in P	ara2.2	For Boreholes BH 1 & BH 3 boreholes	Bidders are requested to follow level given in
	212	Column 4	state the RL at Borehole Top.	top levels are +4.40 & +4.30	Scope of work at Page-141
				respectively. On 16/11/2021, during pre bid meeting, it was confirmed that all levels in the soil report are in mKODS. With the above and the Dock water level as +5.33/+5.18 m KODS, available water depth is onlyaround 1.00m.	Clause 1. 1.1.4
				At the same time, this berth is under operationwith loaded ships. The same cannot happen with  1.00 m water depth only.  From the above, it is necessary to reconfirm the RLat Top of all the boreholes	

Sr. No	Page no.	Clause no.	Clause Description as given in Tender document	Queries of Bidders	Response of Authority (SMPK)
27.	P- 183	Drawings Sketch for Berth number 7 and stack yard		Please provide the UTM coordinates of the boundary corners	A sketch showing UTM coordinates is uploaded
28.	183&18 5			You are requested to please provide Existing Berth & Stack Yard and bathymetry drawing as tender drawing on page no 183 to 185 are not readable.	GA drawing, Cross Section of 7,NSD berth including stack yard are uploaded as reference and Layout drawing of Existing old berth no.7 is also uploaded.
29.	141&14	1.1(2)- Maximum vessel size & 5.2.2 (iii)- Vessels of Size DWT		On Page No 141, point 1.1 (2) Maximum vessel size 172 mtr. X 25 mtr. With DWT 18000 ton. While on page no 144, point 5 [5.2.2 (iii)] Vessels of Size DWT 25000 MT. You are requested to please clarify.	The DWT of the ship is 18000MT with water displacement of 25500 MT . For design purpose consider displacement.
30.	141	1.1(9) Pile Diameter		Vessels of Size DWT As per page no 141, point 1 [1.1(9)], the pile diameter and pile foundation level are fixed? You are requested to please clarify.	Dia of Pile and Cut off level of pile are indicative and should be considered as reference during design.
31.	141	1.1.4- Lev	vels	Levels mentioned in para 1.1.4 are with reference to MSL or what?	KODS
32.				High Mast Tower location is not mentioned in Tender document. Please provide location in layout drawing.	To be provided by successful bidder after detail survey of site & preparation of final G.A. layout during Engineering stage, which will be subsequently approved by EIC.
33.				Please clarify that, is it mandatory to provide sheet pile to retain Stack Yard Area?	YES
34.				Please provide specification of RMQC.	Already mentioned in 5.2.1.(II), Page-144

Sr. No	Page no.	Clause no.	Clause Description as given in Tender document	Queries of Bidders	Response of Authority (SMPK)
35.				Please clarify that existing pile of the existing jetty are to be removed or not? If yes, then upto which level. Also, please clarify that is there anything is to be removed from Stack Yard Area?	Old piles are to be dismantled upto pile muff. Those piles are not considered for design of the new berth and only to be connected with the new berth structure.
36.				Please clarify that is there any port charges.	There is no Port Charges. Please see Clause 123, Page-202.
37.				Can we have the required land area at the location near the work site for the labour camp and facilities like precast yard, batching plant etc. & also, provide charges for the same.	Please see Clause no.8.1.2.4 in Page no.153.
38.				You are requested to please clarify that the labour can stay in dock area.	Already replied above.
39	36	Sl.No.5		Formula for Bid Capacity calculation is not provided. Request you to provide the same.	Information sought from the bidders mentioned in tender documents to be provided.
40				Please provide interest free mobilization advance	No mobilization advance will be provided.

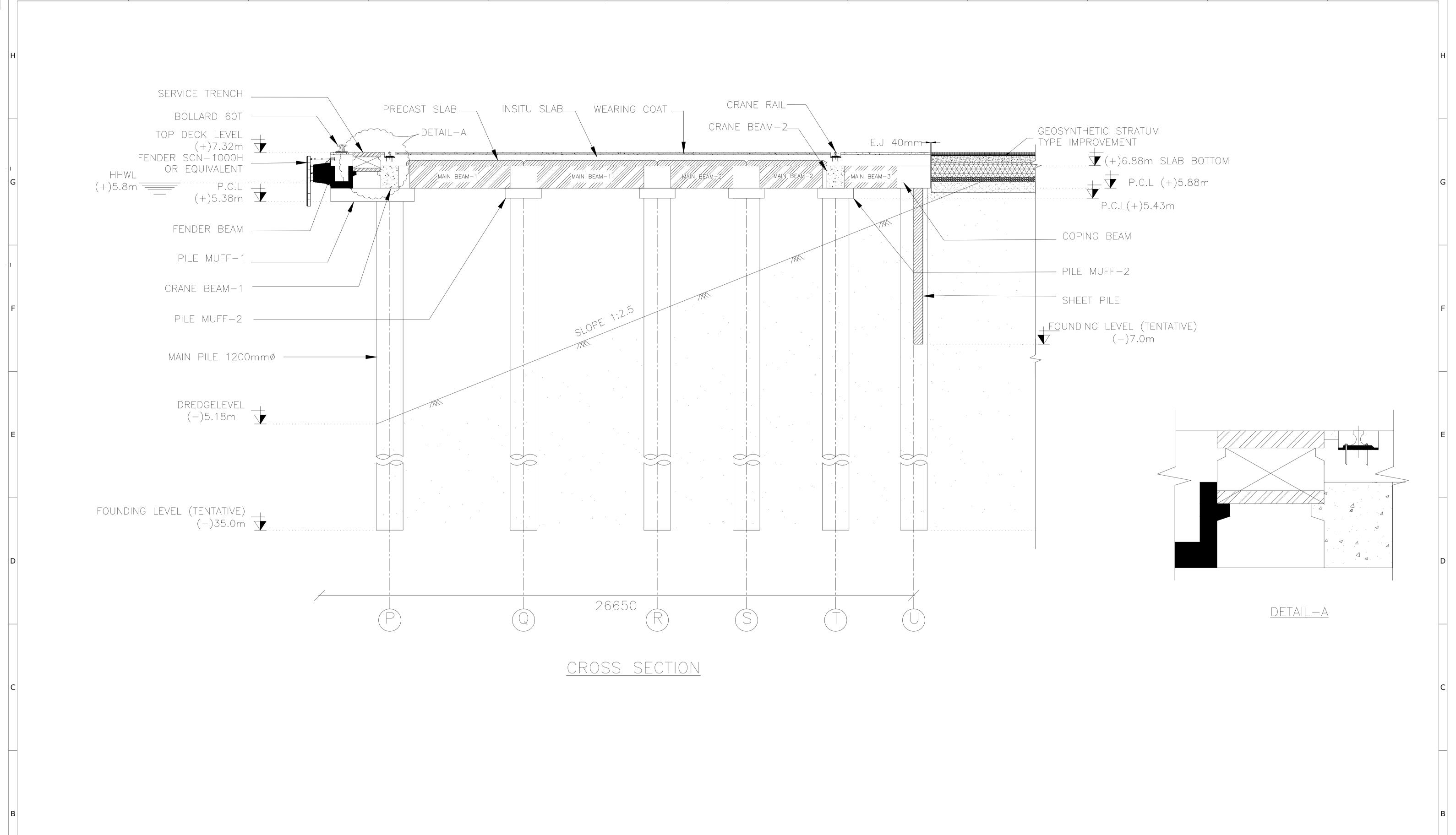
Name of Work :- E-tendering for 'DESIGN, ENGINEERING & CONSTRUCTION FOR REHABILITATION OF 7, NSD OLD BERTH INCLUDING DEVELOPMENT OF BACK YARD AT N.S. DOCK, KDS, SMP,KOLKATA"

III) Few additional information and inputs regarding said tender by SMPK.

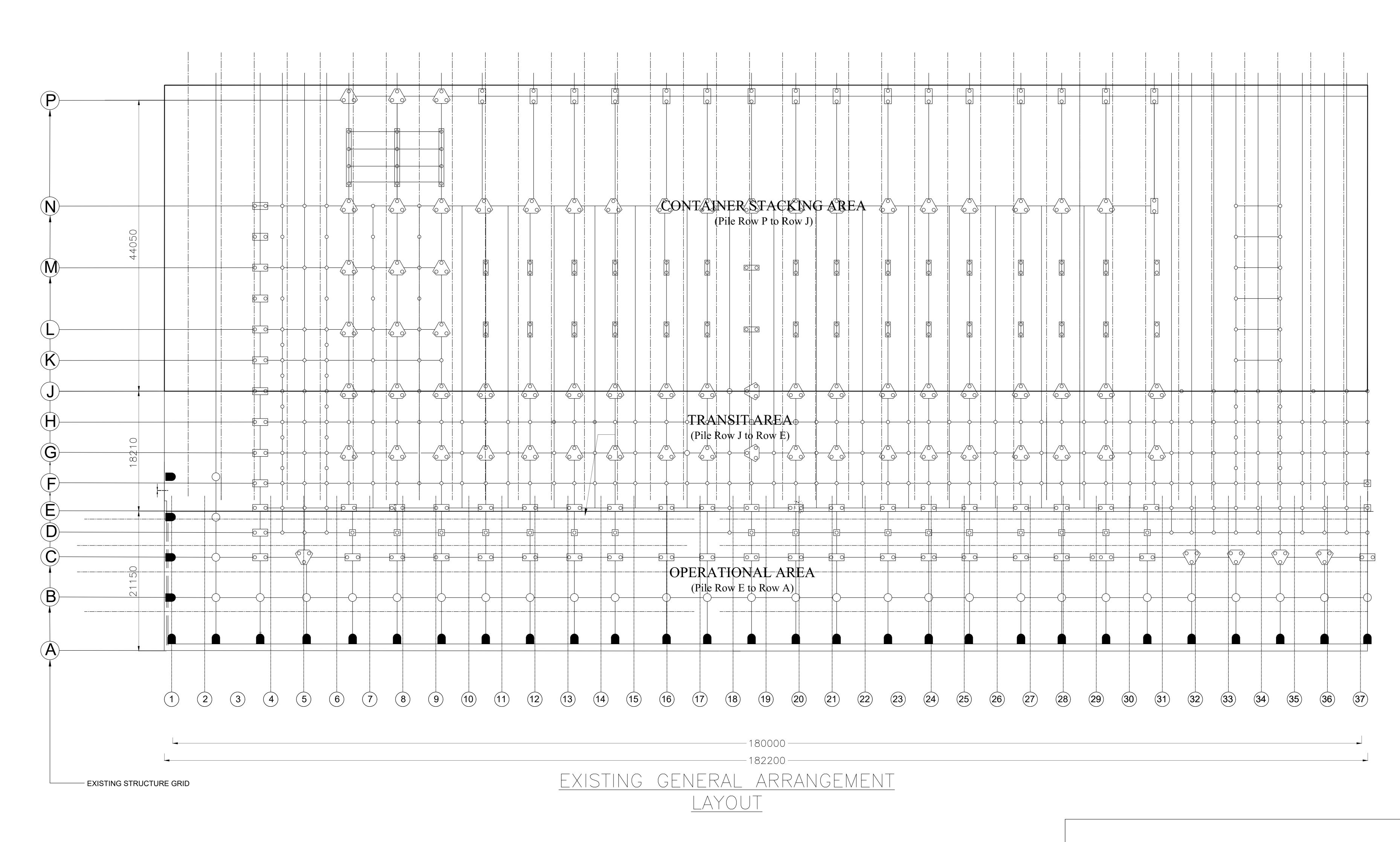
SI. No.	Description / Reference	SMPK'S Comments	
1.		Bidders can carry out investigation if necessary for without any extra cost.	
2.		The diameter of the pile is founding level is ( -)35m K General Arrangement draw NSD/BERTH/01) &,	C.O.D.S as per the wings (DWG No:
		the typical Cross Section NSD/BERTH/02). Design base attached. These are being preliminary reference documents assistance to bidders. Bid expected to carry out the investigations and other detathe project and do the submission of their bid.	is report is also provided as a ment by way of dders, who are pair own surveys, il examinations of
		The Bidder shall submit the with the technical bid preliminary design.	
		I. Conceptual La & stack yard.	yout of the berth
		II. General arrangement dra typical longitudinal and cro with design basis report	
		III. STADD input file	

		IV. Structural Design of pile including crack width calculation.
		V. Foundation design of pile.
3.	2. Insurance for Performance/ Pg. No: 143 The Tenderer to insure with an insurance company for the whole work order amount for a period of 10 years from the date of completion of the work to take care of all risks for satisfactory operations on the Berth No 7, NSD, Kolkata.  The bidder shall submit a Bank Guarantee for the Premium Amount payable annually for the entire period of 10 years.	To be read as  The tenderer to insure the Project Value amount with an Insurance company in favour of SMPK and same should be done on year to year basis for 10 years from the date of completion of the work to take care of all risks for satisfactory operation on berth no.7,NSD and new container yard area and to be submitted within one month from the completion date of the project.  The bidder shall submit a B.G for premium amount payable in the 1st year multiplied by 10(Ten),which shall have to be submitted with SMPK within one month from the completion date of the project.
4.	Section 8	To be read as Pile Integrity Test to be done 100%.
	8. Technical Specification - 8.3.3.15	
	Pile Load Tests (ii)/Pg.No.163 Pile Integrity Test to be done 50%	
5.	Page 143/ Clause 5.5.2 The data already mentioned are strictly to be used in designing the berth and stack yard structure.	To be read as  The data already mentioned are strictly to be used in designing the berth and stack yard structure except 1.1.9 & 1.1.19, which are indicative and to be taken as reference in page no.141 & 142 respectively.

6		Existing franky piles are to be dismantled upto pile muff and they will not be considered for design of new berth structure.  Layout of new piles is to be made as per design and in space between old piles.
7.		The new berth and yard structure is to be matched with the existing berth/yard along boundary of the new berth and stack yard
8.	202/117 All the tenderers are requested to physically inspect the existing sub and super structure including ancillary works of the" Parallel Bridge"	To be read as All the tenderers are requested to physically inspect the existing sub and super structure including ancillary works of the Old 7-NSD berth and adjacent yard
9.		In general, there is no extra item of work in this tender, however if extra items are required to be executed not related to this project but required at site on specific instruction of the EIC, same will be paid on SOR of PWD, West Bengal or through a mutually agreed special rate if not available in SOR of PWD based on actual expenditure (on that item) plus 16% for overhead & profit.



CROSS SECTION OF 7 NSD BERTH 1.ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE SPECIFIED. 2.ALL LEVELS ARE IN "m" W.R.T K.O.D.S 3.THE KOLKATA OLD DOCK SILL (K.O.D.S) LEVEL IS 2.36m BELOW M.S.L SYAMA PRASAD MOOKERJEE PORT, KOLKATA 4.THIS DRAWING IS FOR INFORMATION AND REFERANCE PURPOSE ONLY. CIVIL ENGINEERING DEPARTMENT 5.GRADE OF CONCRETE (R.C.C) NOT BELOW-M40 GRADE OF CONCRETE (P.C.C) NOT BELOW-M20 GRADE OF STEEL -Fe500D **SCALE** DATE 24/11/2021 AS SHOWN 6.EXPANSION JOINT (EJ) -40mm THK @ 90m C/C =1200mmø (INDICATIVE) 7.PROPOSED MAIN PILES 8.PROPOSED SECONDARY PILES = 1200mmø (INDICATIVE) NSD/BERTH/02 REV. NO. Sh-1 DWG. NO.



## NOTES:

1.ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE SPECIFIED.

2.ALL LEVELS ARE IN "m" W.R.T K.O.D.S

3.THE KOLKATA OLD DOCK SILL (K.O.D.S) LEVEL IS 2.36m BELOW M.S.L

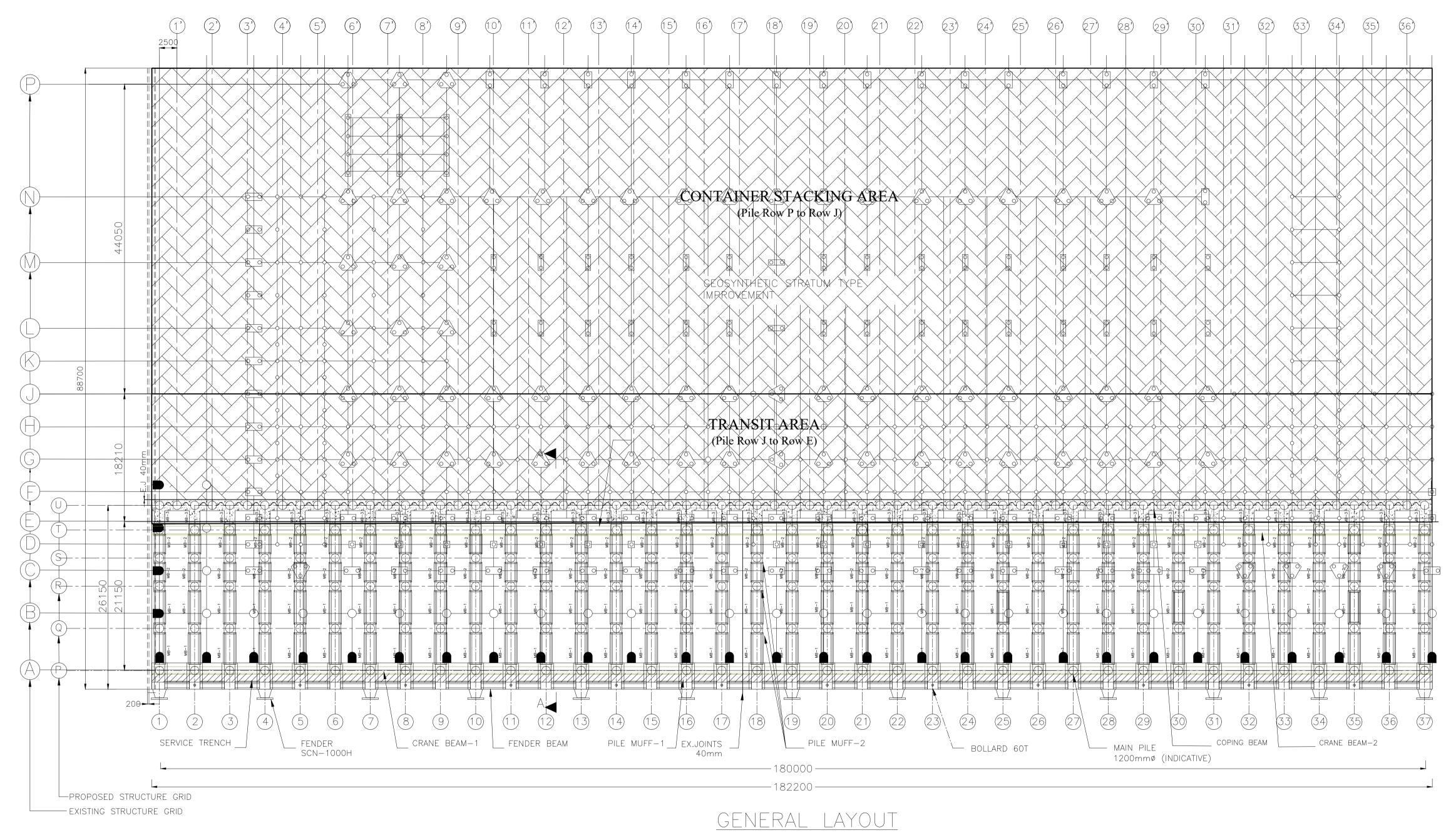
4. EXISTING PILES ARE OF 550MM FRANKI PILES.

# EXISTING LAYOUT OF 7 NSD BERTH

SYAMA PRASAD MOOKERJEE PORT, KOLKATA CIVIL ENGINEERING DEPARTMENT SCALE 24/11/2021 DATE AS SHOWN

NSD/BERTH/03 REV. NO. 0 DWG. NO.

Sh-1



SPECIAL NOTES: 1. THE MENTIONED DIMENSION/LEVEL ARE TENTATIVE AND INFORMATION ONLY.

NOTES:

1.ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS

OTHERWISE SPECIFIED.

2.ALL LEVELS ARE IN "m" W.R.T K.O.D.S

3.THE KOLKATA OLD DOCK SILL (K.O.D.S) LEVEL

IS 2.36m BELOW M.S.L 4.THIS DRAWING IS FOR INFORMATION AND REFERANCE

PURPOSE ONLY.

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5.GRADE OF CONCRETE (R.C.C) NOT BELOW-M40

GRADE OF CONCRETE (P.C.C) NOT BELOW-M20

GRADE OF STEEL -Fe500D

6.EXPANSION JOINT (EJ) -40mm THK @ 90m C/C

11

7.PROPOSED MAIN PILES

=1200mmø (INDICATIVE) =1200mmø (INDICATIVE) 8.PROPOSED SECONDARY PILES

10

GENERAL ARRANGEMENT OF 7 NSD BERTH

SYAMA PRASAD MOOKERJEE PORT, KOLKATA

CIVIL ENGINEERING DEPARTMENT

SCALE DATE 24/11/2021 AS SHOWN NSD/BERTH/01 REV. NO. Sh-1 DWG. NO.

