

IFB No.: BIFPCL/MSTPP/COAL dated 16.03.2021	Document No.: BIFPCL/MSTPP/COAL/AMDT.01
Bidding Document No.: BIFPCL/MSTPP/COAL	Date: 11.05.2021.

Amendment No.1 to Instruction to Bidder (ITB)

Sl. No.	Ref. Section	Ref. Clause No.	Existing Provisions	Provisions as amended
1.	Section-II	New Sub Clause 5.11.2		<p><i>A new para has been added after sub Clause 5.11.2 with the following stipulation:</i></p> <p>Bidder, as a Consortium may furnish Bid Security in form of multiple Bank Guaranties (maximum 4) as part of its bid, in favour of BIFPCL, on account of the title of any of the Consortium Partners or all the Consortium Partners, as named in the Consortium Agreement, Bid Security, in original, in the form and the amount as stated under ITB Clause 5.12.1 and 5.11.1 respectively. In such case, the total amount of all such Bank Guaranties shall be equal to the amount of the Bid Security specified at ITB Clause 5.11.1.</p>
2.	Section-II	Clause 5.7.2 (Table)	<i>The Bid/Contract Price quoted in the Financial Proposal shall be exclusive of taxes, duties, levies, port and anchorage charges, navigation charges, river dues, and any other charges payable to any Governmental Authority in performance of the Services/ Work under the Contract (excluding tug hire or purchase expenses, or mooring charges or any other port services related costs and expenses) in each case, as applicable in Bangladesh, <u>which shall be to the account of the BIFPCL.</u></i>	<p>The Bid/Contract Price quoted in the Financial Proposal shall be exclusive of taxes, duties, levies, port and anchorage charges, navigation charges, river dues, and any other charges payable to any Governmental Authority in performance of the Services/ Work under the Contract (excluding tug hire or purchase expenses, or mooring charges or any other port services related costs and expenses) in each case, as applicable in Bangladesh.</p> <p><u>During Execution of the contract, all such applicable taxes, duties and other charges shall be paid by the contractor directly to the concerned statutory authority. On completion of</u></p>

Amendment No.1 to Instruction to Bidder (ITB)	Procurement and Delivery of Imported Coal at Plant Jetty (CDP) of 2x660MW Maitree STPP	(Section-II)	Page 1 of 2
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Sl. No.	Ref. Section	Ref. Clause No.	Existing Provisions	Provisions as amended
				<u>each shipment, BIFPCL will reimburse to the contractor, the taxes and duties which are applicable in Bangladesh and exclusive of the Contract price, at actuals on submission and verification of original challan / documentary proof along with the balance payment. Such reimbursement shall be done in Bangladesh Taka.</u>
3.	Section-II	Clause 8.3.2	Performance Security in the form of Bank Guarantee of an amount of the Contract Price for 0.24 MMT of Coal as per the contract price shall be furnished by the successful Bidder as per the pro forma prescribed in the Bidding Document and shall be issued in the currency of USD.	Performance Security in the form of Bank Guarantee(s) (maximum 4) totalling to an amount of the Contract Price for 0.24 MMT of Coal as per the contract price shall be furnished by the successful Bidder as per the pro forma prescribed in the Bidding Document and shall be issued in the currency of USD.

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Amendment No.1 to Instruction to Bidder (ITB)	Procurement and Delivery of Imported Coal at Plant Jetty (CDP) of 2x660MW Maitree STPP	(Section-II)	Page 2 of 2
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Amendment No.1 to Conditions of Contract (COC)

Sl. No.	Ref. Section	Ref. Clause No.	Existing Provisions	Provisions as amended
1.	Section-III	Clause 12.3	<i>The Contract Price shall be exclusive of taxes, duties, levies, port and anchorage charges, navigation charges, river dues, and any other charges payable to any Governmental Authority in performance of the Services/ Work under the Contract (excluding tug hire or purchase expenses, or mooring charges or any other port services related costs and expenses) in each case, as applicable in Bangladesh, <u>which shall be to the account of the BIFPCL.</u></i>	<i>The Contract Price are exclusive of taxes, duties, levies, port and anchorage charges, navigation charges, river dues, and any other charges payable to any Governmental Authority in performance of the Services/ Work under the Contract (excluding tug hire or purchase expenses, or mooring charges or any other port services related costs and expenses) in each case, as applicable in Bangladesh. <u>During Execution of the contract, all such applicable taxes, duties and other charges shall be paid by the contractor directly to the concerned statutory authority. On completion of each shipment, BIFPCL will reimburse to the contractor, the taxes and duties which are applicable in Bangladesh and exclusive of the Contract price, at actuals on submission and verification of original challan / documentary proof along with the balance payment. Such reimbursement shall be done in Bangladesh Taka.</u></i>
2.	Section-III	Clause 10.2	<i>The Annual Planned Quantity of Coal shall be distributed on quarterly basis and further on monthly basis, considering the type and location of transshipment and the demand with respect to the Project. The Coal quantity for a quarter except for first quarter of the first year shall be confirmed by BIFPCL no later than <u>30 days</u> prior to the start of the quarter.</i>	<i>The Annual Planned Quantity of Coal shall be distributed on quarterly basis and further on monthly basis, considering the type and location of transshipment and the demand with respect to the Project. The Coal quantity for a quarter except for first quarter of the first year shall be confirmed by BIFPCL no later than <u>50 days</u> prior to the start of the quarter.</i>
3.	Section-III	Clause 10.3	<i>It is expected that the quarterly quantity shall generally</i>	<i>It is expected that the quarterly quantity shall</i>

Amendment No.1 to Conditions of Contract (COC)	Procurement and Delivery of Imported Coal at Plant Jetty (CDP) of 2x660MW Maitree STPP	Section-III	Page 1 of 3
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IFB No.: BIFPCL/MSTPP/COAL dated 16.03.2021	Document No.: BIFPCL/MSTPP/COAL/AMDT.01
Bidding Document No.: BIFPCL/MSTPP/COAL	Date: 11.05.2021.

Sl. No.	Ref. Section	Ref. Clause No.	Existing Provisions	Provisions as amended
			<i>be distributed uniformly over the three months. However, any change in the monthly quantity demanded will be intimated 30 days prior to the start of the month.</i>	generally be distributed uniformly over the three months. However, any change in the monthly quantity demanded will be intimated 50 days prior to the start of the month.
4.	Section-III	Clause 10.5	At least thirty (30) calendar days before the commencement of each month, BIFPCL shall submit to the Contractor a supply schedule, which covers firm quantity for the first month and tentative quantity for remaining two months of that quarter.	At least fifty (50) calendar days before the commencement of each month, BIFPCL shall submit to the Contractor a supply schedule, which covers firm quantity for the first month and tentative quantity for remaining two months of that quarter.
5.	Section-III	New sub Clause 17.3(c)	A new clause has been added as sub Clause 17.3(c) with following stipulation: The Demurrage/ Despatch for lighter vessel(s) / Barges at CDP as per Clause 14.2, Section-III of the Bidding Document, shall be settled separately within 15 days of its Invoicing.
6.	Section-III	New sub Clause 17.3(d)	A new clause has been added as sub Clause 17.3(d): During Execution of the contract, all the applicable taxes, duties and other charges shall be paid by the contractor directly to the concerned statutory authority. On completion of each shipment, BIFPCL will reimburse to the contractor, the taxes, duties and other charges which are applicable in Bangladesh as mentioned at Clause 5.7.2 of Section-II. Reimbursement of such taxes, duties and other

Amendment No.1 to Conditions of Contract (COC)	Procurement and Delivery of Imported Coal at Plant Jetty (CDP) of 2x660MW Maitree STPP	Section-III	Page 2 of 3
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Sl. No.	Ref. Section	Ref. Clause No.	Existing Provisions	Provisions as amended
				charges shall be done in Bangladesh Taka at actuals on submission of original challan / documentary proof.

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Amendment No.1 to Conditions of Contract (COC)	Procurement and Delivery of Imported Coal at Plant Jetty (CDP) of 2x660MW Maitree STPP	Section-III	Page 3 of 3
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Amendment No.1 to Technical Specification

Sl. No.	Section	Ref. Clause /Page no.	Existing provisions	Amended as
1.	IV	16 (c) / 18 of 34	<p>i) For 12% (Base value) < Ash (ADB) ≤ 21% and ASH (ARB) ≤ 18%</p> <p>Weight of the shipment received at the CDP shall be reduced by the quantity calculated as under.</p> $Q_{(r)\text{Ash}} \text{ (MT)} = A \times 1.05 \times (B - (C \times (100-B)/(100-C)))/100$	<p>i) For 12% (Base value) < Ash (ADB) ≤ 21% and ASH (ARB) ≤ 18%</p> <p>Weight of the shipment received at the CDP shall be reduced by the quantity calculated as under.</p> $Q_{(r)\text{Ash}} \text{ (MT)} = Q \times 1.05 \times (B - (C \times (100-B)/(100-C)))/100$
2.	IV	16 (b) / 18 of 34	<p>b) Adjustment on account of Total Moisture {As Received Basis(ARB)}</p> <p>If the Total Moisture (As Received Basis) of shipment as stated in the Certificate of Analysis at CDP is greater than the 24%, and the shipment qualifies for rejection as per clause 13 herein above (Rejection), BIFPCL at its sole discretion may accept the shipment, however, in such case weight of the shipment received at the CDP shall be reduced by the quantity calculated as under.</p> $Q_{(r)\text{TM}} \text{ (MT)} = 3 \times Q \times 0.102 \times (B - (C \times (100-B) / (100-C))) / 100$ <p>where,</p> <p>Q is weight of Coal received at CDP</p> <p>B is percentage value of Total Moisture of coal received</p> <p>C is the base parameter value of Total Moisture</p>	<p>b) Adjustment on account of Total Moisture {As Received Basis(ARB)}</p> <p>If the Total Moisture (As Received Basis) of shipment as stated in the Certificate of Analysis at CDP is greater than the 24%, and the shipment qualifies for rejection as per clause 13 herein above (Rejection), BIFPCL at its sole discretion may accept the shipment, however, in such case weight of the shipment received at the CDP shall be reduced by the quantity calculated as under.</p> $Q_{(r)\text{TM}} \text{ (MT)} = 3 \times Q \times 0.102 \times (B - (C \times (100-B) / (100-C))) / 100$ <p>where,</p> <p>Q is weight of Coal received at CDP</p> <p>B is percentage value of Total Moisture of coal received</p>

Amendment No.1 to Technical Specification	Procurement and Delivery of Imported Coal at Plant Jetty (CDP) of 2x660MW Maitree STPP	Section-IV	Page 1 of 4
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Sl. No.	Section	Ref. Clause /Page no.	Existing provisions	Amended as
			No adjustment shall be applied in case of decrease in Total Moisture below the base value.	C = 24 % No adjustment shall be applied in case of Total Moisture $\leq 24 \%$ (ARB)
3	IV	6 (ii) of attachment 4-4 / 25 of 34	6. Characteristics of the coal unloading facilities: (i) Refer drawing. (ii) CDP Guaranteed Minimum Average Unloading Rate for typical bulk vessel/barges with capacities between 8000 to 10000 DWT is 800 tph to 900 tph, considering fair weather.	6. Characteristics of the coal unloading facilities: (i) Refer drawing. (ii) CDP Minimum Average Unloading Rate for typical bulk vessel/barges with capacities between 8000 to 10000 DWT is in the range of 800 tph to 900 tph considering fair weather. (iii) For guarantee purpose, 800 tph average unloading rate shall be considered at CDP, subject to the fully loaded bulk vessel with capacities between 8000 to 10000 DWT considering WWD.
4	IV	Sl.no. 7 of attachment 4-4 / 25 of 34	7. The berthing facility is provided with: (i) (ii) ... (iii) The following drawings are provided as annexures: - Jetty Layout {Attached Drg nos. "Maitree – 00 - EAA - ED- 702105M158 – ISG - 4", sheets 2 to 9	[Jetty layout drawing replaced with the latest drawings] 7. The berthing facility is provided with: (iv) (v) ... (vi) The following drawings are provided as annexures:

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Sl. No.	Section	Ref. Clause /Page no.	Existing provisions	Amended as
			<p>(eight no. of sheets)),</p> <p>-</p> <p>-</p>	<p>- Jetty Layout {Attached Drg nos. "Maitree – 00 - EAA - ED- 175158 – ISG ", sheets 1 to 9 (Nine no. of sheets)),</p> <p>-</p> <p>-</p>

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5.	IV	Sl.no. 5 of attachment 4-6/ 27 of 34	ATTACHMENT 4-6 COAL SPECIFICATIONS <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Parameter</th><th>Basis</th><th>Unit</th><th>Maximum/ Minimum</th></tr> </thead> <tbody> <tr><td>1.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>2.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>3.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>4.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>5.</td><td>Volatile matter</td><td>ARB</td><td>%</td><td>26.0 - 45.0</td></tr> <tr><td>6.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>7.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>8.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>9.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>10.</td><td>Nitrogen</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>11.</td><td>Ash Analysis</td><td></td><td></td><td></td></tr> <tr><td>a)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>b)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>c)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>d)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>e)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>f)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr> <td>12.</td><td>Coal Sizing</td><td></td><td>mm</td><td>upto 50mm</td></tr> <tr> <td></td><td></td><td></td><td>mm</td><td><2mm 30% Max</td></tr> </tbody> </table>	Sl. No.	Parameter	Basis	Unit	Maximum/ Minimum	1.	2.	3.	4.	5.	Volatile matter	ARB	%	26.0 - 45.0	6.	7.	8.	9.	10.	Nitrogen	11.	Ash Analysis				a)	b)	c)	d)	e)	f)	12.	Coal Sizing		mm	upto 50mm				mm	<2mm 30% Max	ATTACHMENT 4-6 COAL SPECIFICATIONS <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Parameter</th><th>Basis</th><th>Unit</th><th>Maximum/ Minimum</th></tr> </thead> <tbody> <tr><td>1.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>2.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>3.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>4.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>5.</td><td>Volatile matter</td><td>ARB</td><td>%</td><td>24.0 - 45.0</td></tr> <tr><td>6.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>7.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>8.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>9.</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>10.</td><td>Nitrogen</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>11.</td><td>Ash Analysis</td><td></td><td></td><td></td></tr> <tr><td>a)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>b)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>c)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>d)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>e)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>f)</td><td>.....</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr> <td>12.</td><td>Coal Sizing</td><td></td><td>mm</td><td>upto 50mm</td></tr> <tr> <td></td><td></td><td></td><td>mm</td><td><2mm 30% Max</td></tr> </tbody> </table>	Sl. No.	Parameter	Basis	Unit	Maximum/ Minimum	1.	2.	3.	4.	5.	Volatile matter	ARB	%	24.0 - 45.0	6.	7.	8.	9.	10.	Nitrogen	11.	Ash Analysis				a)	b)	c)	d)	e)	f)	12.	Coal Sizing		mm	upto 50mm				mm	<2mm 30% Max
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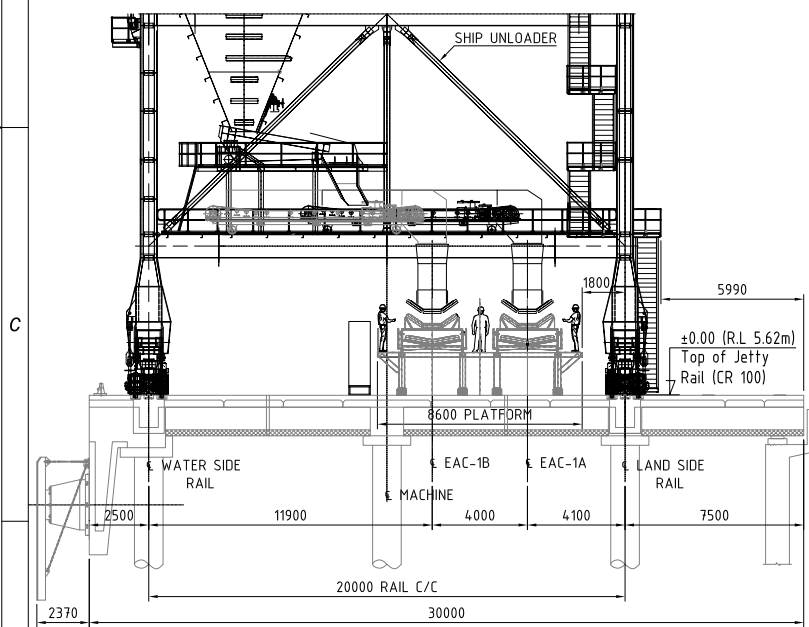
IFB No.: BIFPCL/MSTPP/COAL dated 16.03.2021	Document No.: BIFPCL/MSTPP/COAL/CLRF.01
Bidding Document No.: BIFPCL/MSTPP/COAL	Date: 11.05.2021

Amendment No.1 to Bid and Contract Form (Bid Forms and Attachment)

Sl. No.	Section	Ref. Clause /Page no.	Existing provisions							Amended as																				
1.	V (A)	Sl. No. 2 (e) of Attachment-4	<table><tr><td>e.</td><td>Volatile matter (VM)</td><td>%</td><td>26-45</td><td>.... _</td><td>.... _</td><td>.... _</td></tr></table>							e.	Volatile matter (VM)	%	26-45 _ _ _	<table><tr><td>e.</td><td>Volatile matter (VM)</td><td>%</td><td>24-45</td><td>.... _</td><td>.... _</td><td>.... _</td></tr></table>							e.	Volatile matter (VM)	%	24-45 _ _ _
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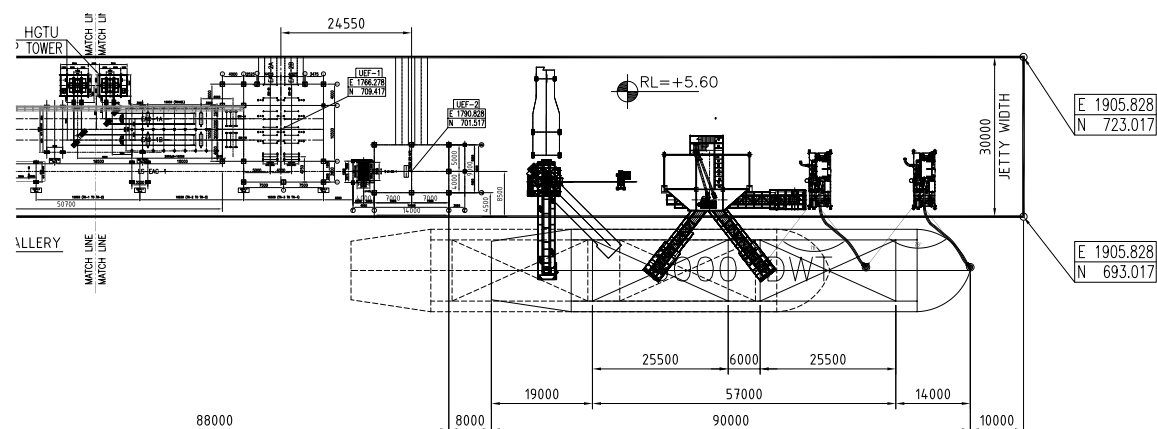
Amendment No.1 to Bid and Contract Form (Bid Forms and Attachment)	Procurement and Delivery of Imported Coal at Plant Jetty (CDP) of 2x660MW Maitree STPP	Section-V (A)	Page 1 of 1
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11.05.2021




[illegible]

SHIP UNLOADER SUL1 & SUL2 TO FEED THE CONVEYOR EAC-1A AND EAC-1B (COAL)
SHIP UNLOADER SUL3 TO FEED THE CONVEYOR EAC-1A AND EAC-1B (COAL) & LS-EAC-1 (LIMESTONE)

1) ALL DIMENSIONS ARE IN MILLIMETERS.
2) ALL LEVELS ARE IN METERS.
3) "*" MARKED DIMENSION IS SHIP UNLOADER SUL-1,2&3 MACHINE BUFFER END TO END

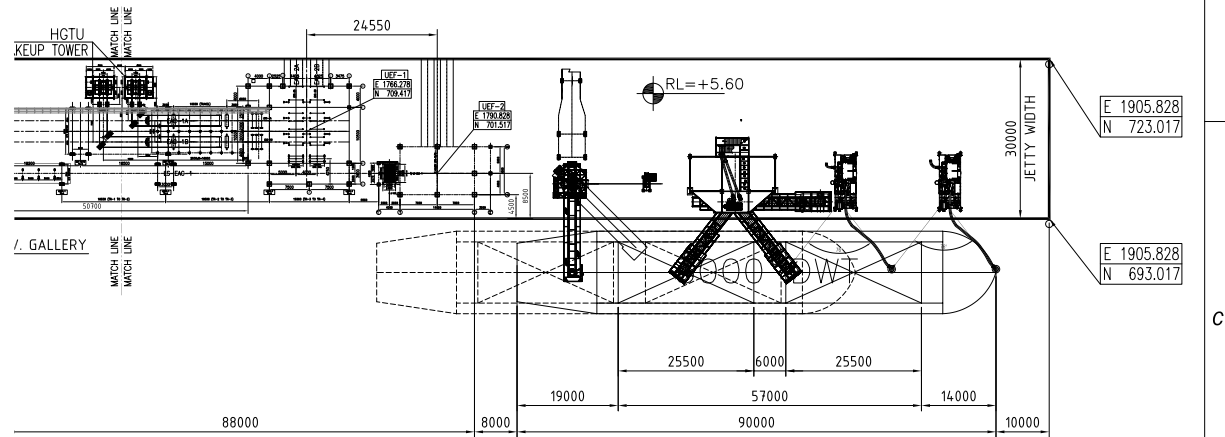
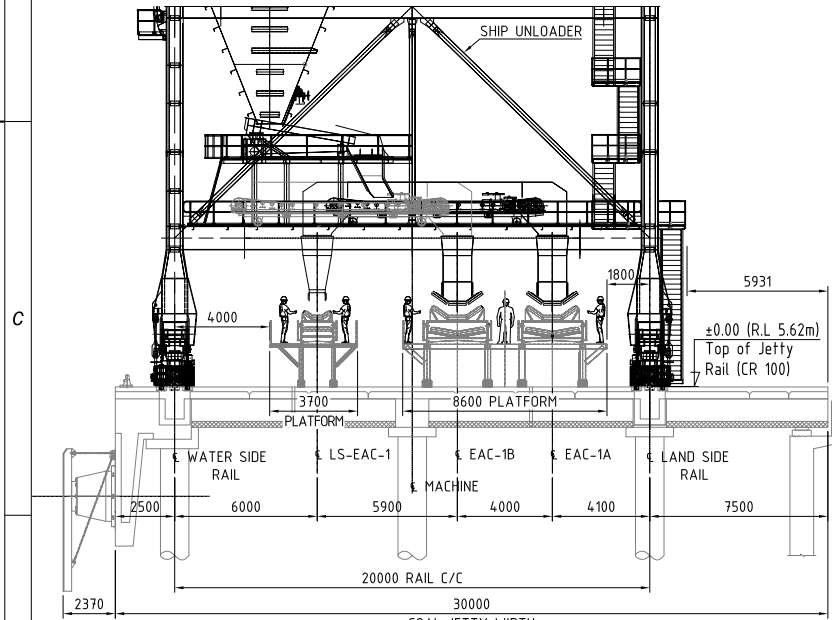
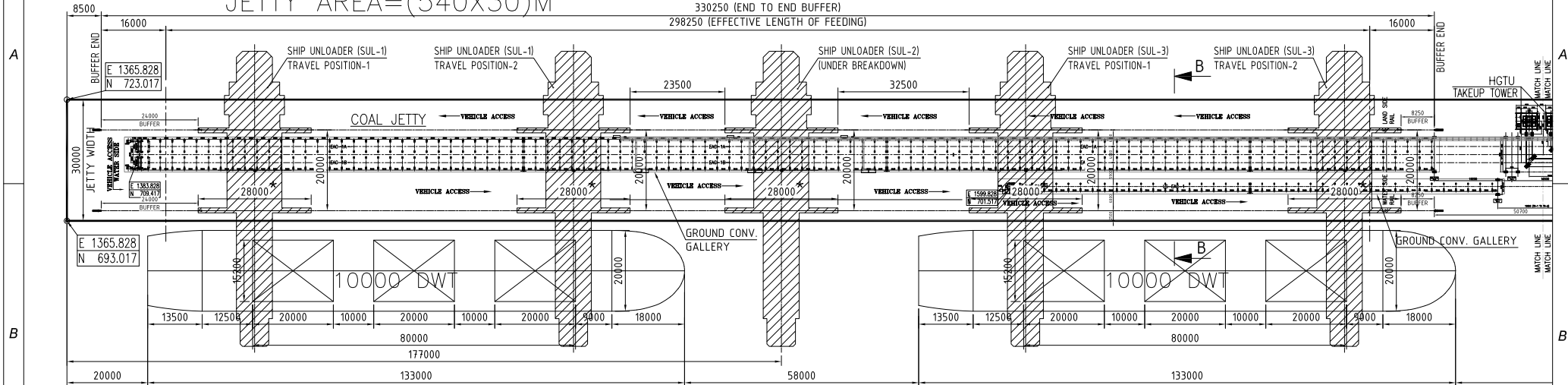


1. MATREE--00-EAA-EC-175155--ISG -- GA OF SHIP UNLOADER TYPE 1 & TYPE2
2. MATREE--00-EAA-ED-175157--ISG -- WHEEL LOAD DIAGRAM OF SHIP UNLOADER
3. MATREE--00-EAA-DA-175179--ISG -- ARRANGEMENT AND DETAIL OF STORM ANCHOR POCKET
4. MATREE--00-EAA-DA-175180--ISG -- DETAIL OF PIT DIMENSION PCRD AND HT SWITCH
5. MATREE--00-EAA-DA-175194--ISG -- RAIL FIXING ARRANGEMENT AND END BUFFER
STOP DETAIL FOR SHIP UNLOADER
6. MATREE--00-ETG-LH-176054--ISG--0- LAYOUT & GA OF SHIP LOADING SYSTEM

CUSTOMER CONSULTANT:		CUSTOMER/PROJECT:				
FICHTNER M/s FICHTNER GmbH & Co KG, Stuttgart, GERMANY			BANGLADESH-INDIA FRIENDSHIP POWER COMPANY PVT. LTD, DHAKA, BANGLADESH 2x660 MW MAITREE STPP, RAMPAL, BANGLADESH			
EPC CONTRACTOR:			BHARAT HEAVY ELECTRICALS LTD. INDUSTRIAL SYSTEMS GROUP, BANGALORE			
	NAME	DATE	PACKAGE VENDOR	TENOVA India Private limited.	SCALE NTS	
DRN	RR	27.07.2020				
CHD	JAS	27.07.2020		TAKRAF GmbH	SHEET 3	
APPD	AS	27.07.2020	TITLE: GENERAL LAYOUT OF JETTY			OF 9
SUPERSEDES		BHEL JOB NO.: IS-1-15-2004		STATUS OF DRG.: FOR INFORMATION		
SUPERSEDED BY		SIZE= A3 [420 x 297]		PROJECT NO.: 702		
SYSTEM		ANNEX.: —		DRAWING NO.: —		REV.: 3
CUSTOMER DRAWING NO.: MAITREE-00-EAA-ED-17515-ISG						

SHIP UNLOADER (SUL-2) SHUTDOWN (10000DWT 133M)

JETTY AREA=(540X30)M



REFERENCE DRG:

- MAITREE-00-EAA-EC-175155-ISC - GA OF SHIP UNLOADER TYPE 1 & TYPE2
- MAITREE-00-EAA-ED-175157-ISC - WHEEL LOAD DIAGRAM OF SHIP UNLOADER
- MAITREE-00-EAA-DA-175179-ISC - ARRANGEMENT AND DETAIL OF STORM ANCHOR POCKET
- MAITREE-00-EAA-DA-175180-ISC - DETAIL OF PIT DIMENSION PCRD AND HT SWITCH
- MAITREE-00-EAA-DA-175194-ISC - RAIL FIXING ARRANGEMENT AND END BUFFER STOP DETAIL FOR SHIP UNLOADER
- MAITREE-00-ETG-LH-176054-ISC-0- LAYOUT & GA OF SHIP LOADING SYSTEM

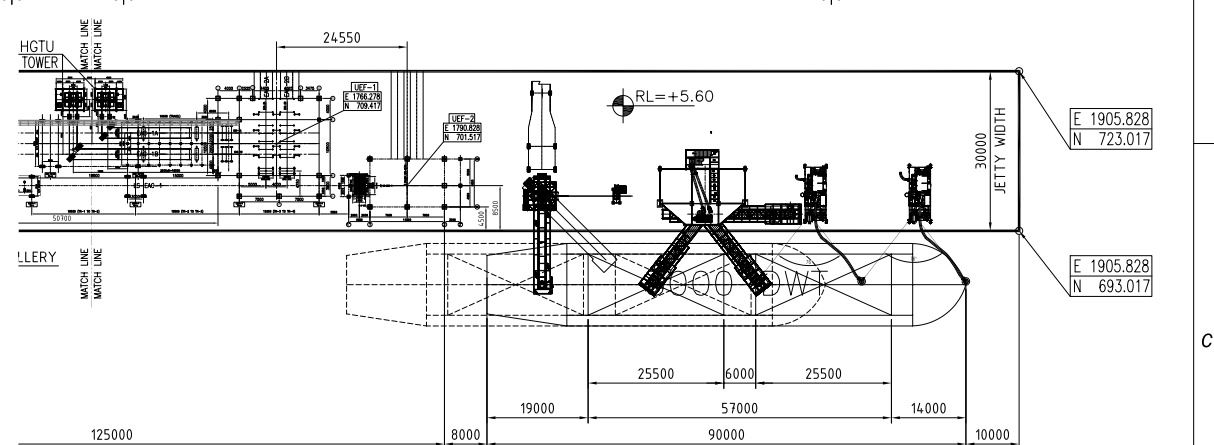
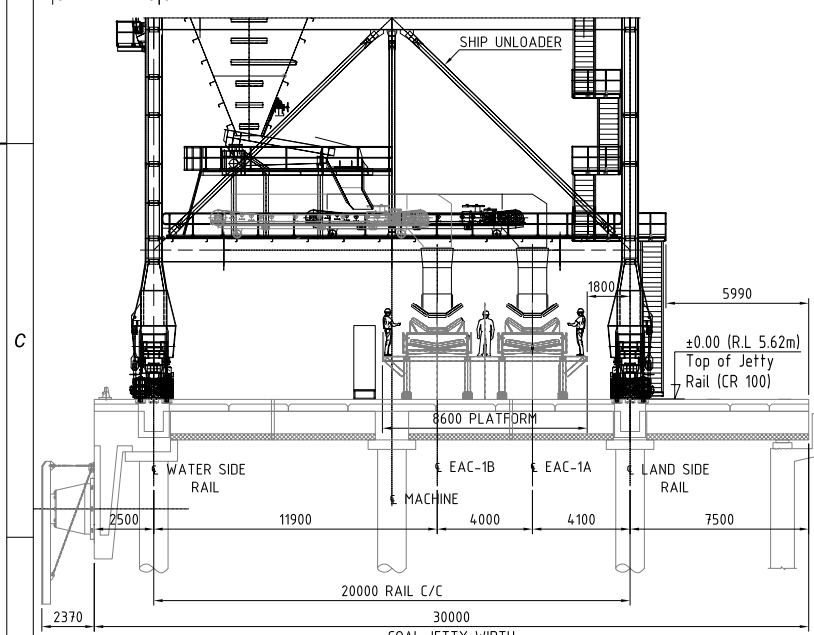
CUSTOMER CONSULTANT:		CUSTOMER/PROJECT:	
FICHTNER		BANGLADESH-INDIA FRIENDSHIP POWER COMPANY PVT. LTD, DHAKA, BANGLADESH	
M/s FICHTNER GmbH & Co KG, Stuttgart, GERMANY		2x660 MW MAITREE STPP, RAMPAL, BANGLADESH	
EPC CONTRACTOR:		BHARAT HEAVY ELECTRICALS LTD. INDUSTRIAL SYSTEMS GROUP, BANGALORE	
NAME		DATE	PACKAGE VENDOR
DRN		RR	27.07.2020
CHD		JAS	27.07.2020
APPD		AS	27.07.2020
SUPERSEDES		BHFL JOB NO.: IS-1-15-2004	
SUPERSEDED BY		STATUS OF DRG.: FOR INFORMATION	
SYSTEM		SIZE- A3 [420 x 297]	
ANNEX.: -		DRAWING NO.: -	
CUSTOMER DRAWING NO.: MAITREE-00-EAA-ED-175158-ISC		REV.: 3	

REV	DATE	DRN/CHD/APPD	DESCRIPTION/NOTE
4			
3			
2			
1	-	-	-

NOTE:-


- ALL DIMENSIONS ARE IN MILLIMETERS.
- ALL LEVELS ARE IN METERS.
- "*" MARKED DIMENSION IS SHIP UNLOADER SUL-1,2&3 MACHINE BUFFER END TO END

JETTY AREA=(540X30)M



1. MATREE--00-EAA-EC-175155--ISG -- GA OF SHIP UNLOADER TYPE 1 & TYPE2
2. MATREE--00-EAA-ED-175157--ISG -- WHEEL LOAD DIAGRAM OF SHIP UNLOADER
3. MATREE--00-EAA-DA-175179--ISG -- ARRANGEMENT AND DETAIL OF STORM ANCHOR POCKET
4. MATREE--00-EAA-DA-175180--ISG -- DETAIL OF PIT DIMENSION PCRD AND HT SWITCH
5. MATREE--00-EAA-DA-175194--ISG -- RAIL FIXING ARRANGEMENT AND END BUFFER
STOP DETAIL FOR SHIP UNLOADER
6. MATREE--00-ETG-LH-176054--ISG--0- LAYOUT & GA OF SHIP LOADING SYSTEM

CUSTOMER CONSULTANT:	CUSTOMER/PROJECT:	
FICTHNER M/s FICTHNER GmbH & Co KG, Stuttgart, GERMANY		BANGLADESH-INDIA FRIENDSHIP POWER COMPANY PVT. LTD, DHAKA, BANGLADESH 2x660 MW MAITREE STPP, RAMPAL, BANGLADESH
EPC CONTRACTOR:		BHARAT HEAVY ELECTRICALS LTD. INDUSTRIAL SYSTEMS GROUP, BANGALORE

	NAME	DATE	PACKAGE VENDOR	TENOVA India Private limited.	SCALE NTS
DRN	RR	27.07.2020		TAKRAF GmbH	SHEET 5 OF 9
CHD	JAS	27.07.2020			
APPD	AS	27.07.2020	TITLE: GENERAL LAYOUT OF JETTY		
SUPERSEDES			BHEL JOB NO.: IS-1-15-2004 STATUS OF DRG.: FOR INFORMATION		
SUPERSEDED BY			SIZE= A3 [420 x 297]		PROJECT NO.: 702
SYSTEM			ANNEX.: -- DRAWING NO.: --		REV.: 3
CUSTOMER DRAWING NO.: MAITREE--00--EAA--ED--175158--ISG					

CUSTOMER DRAWING NO.: MAITREE-00-EAA-ED-175158-1SG

NOTE:-

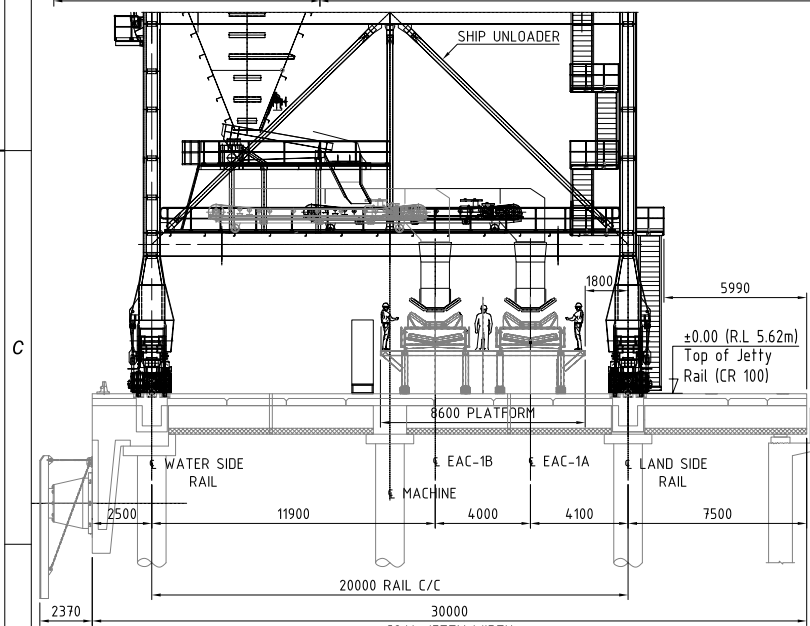
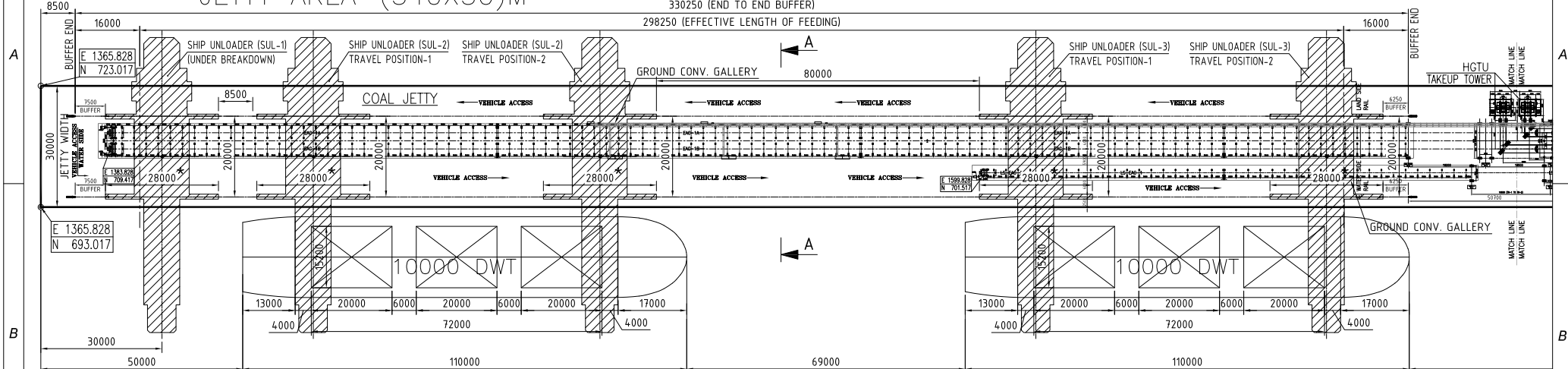
- 1) ALL DIMENSIONS ARE IN MILLIMETERS.
2) ALL LEVELS ARE IN METERS.
3) "X" MARKED DIMENSION IS SHIP UNLOADER SUL-1,2&3 MACHINE BUFFER END TO END

4					
3					
2					
1	-	-	-	-	-
REV	DATE	DRN	CHD	APPD	DESCRIPTION/NOTE

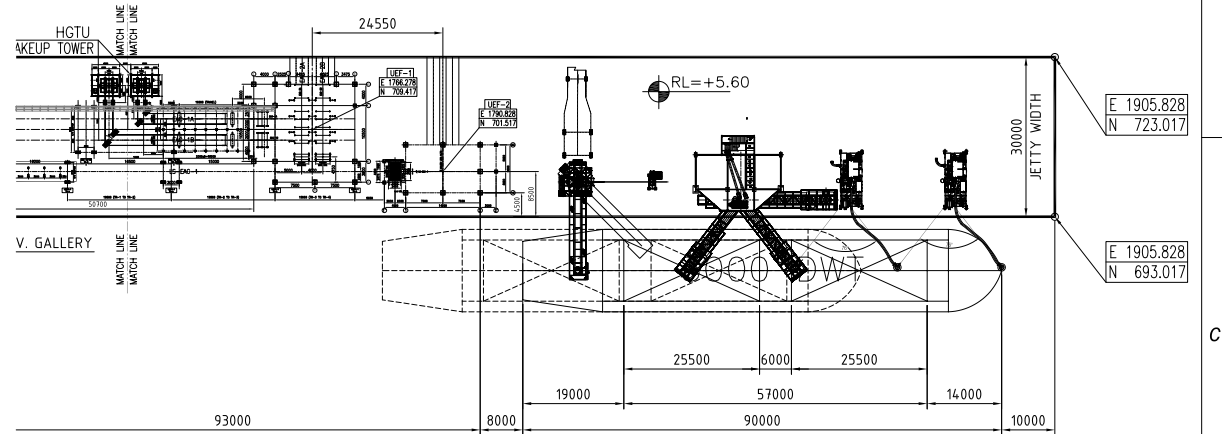
SHIP UNLOADER (SUL-1) SHUTDOWN (10000DWT 133M)

JETTY AREA=(540X30)M

330250 (END TO END BUFFER)
298250 (EFFECTIVE LENGTH OF FEEDING)



DISCHARGE ARRANGEMENT FOR SHIP UNLOADER 1 & 2 COAL)
VIEW A-A



REFERENCE DRG:

- MAITREE-00-EAA-EC-175155-ISC - GA OF SHIP UNLOADER TYPE 1 & TYPE2
- MAITREE-00-EAA-ED-175157-ISC - WHEEL LOAD DIAGRAM OF SHIP UNLOADER
- MAITREE-00-EAA-DA-175179-ISC - ARRANGEMENT AND DETAIL OF STORM ANCHOR POCKET
- MAITREE-00-EAA-DA-175180-ISC - DETAIL OF PIT DIMENSION PCRD AND HT SWITCH
- MAITREE-00-EAA-DA-175194-ISC - RAIL FIXING ARRANGEMENT AND END BUFFER STOP DETAIL FOR SHIP UNLOADER
- MAITREE-00-ETG-LH-176054-ISC-0- LAYOUT & GA OF SHIP LOADING SYSTEM

CUSTOMER CONSULTANT: **FICHTNER**
M/s FICHTNER GmbH & Co KG, Stuttgart, GERMANY

CUSTOMER/PROJECT: **BANGLADESH-INDIA FRIENDSHIP POWER COMPANY PVT. LTD, DHAKA, BANGLADESH**
2x660 MW MAITREE STPP, RAMPAL, BANGLADESH

EPC CONTRACTOR: **BHARAT HEAVY ELECTRICALS LTD.**
INDUSTRIAL SYSTEMS GROUP, BANGALORE

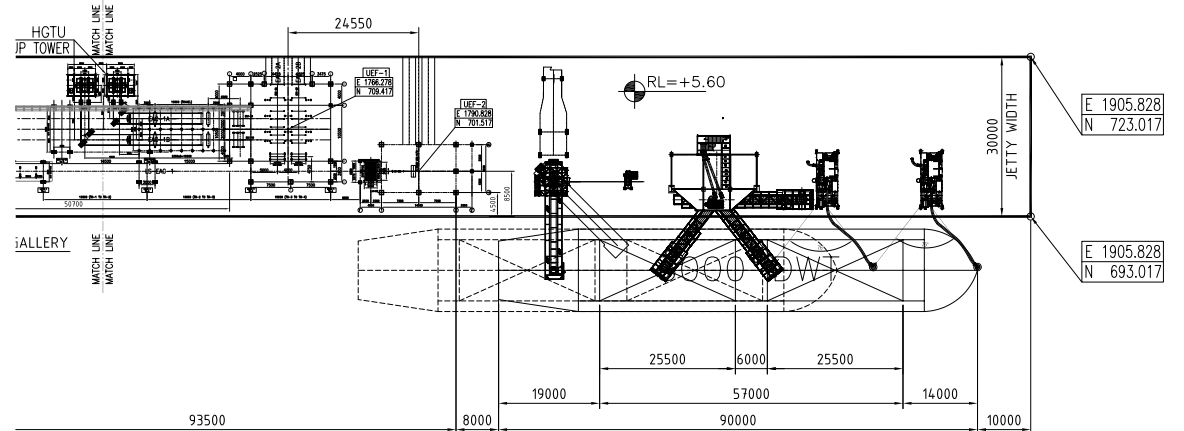
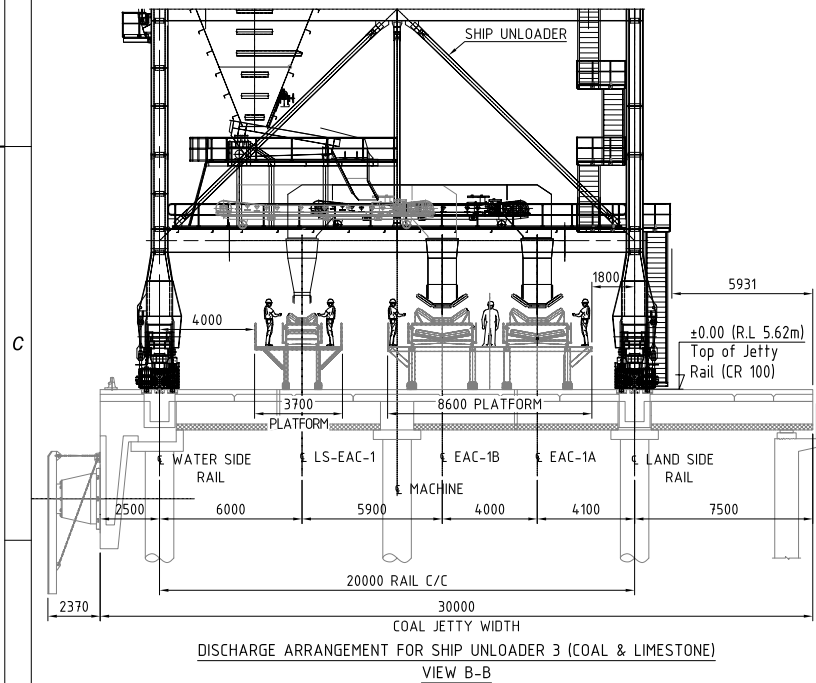
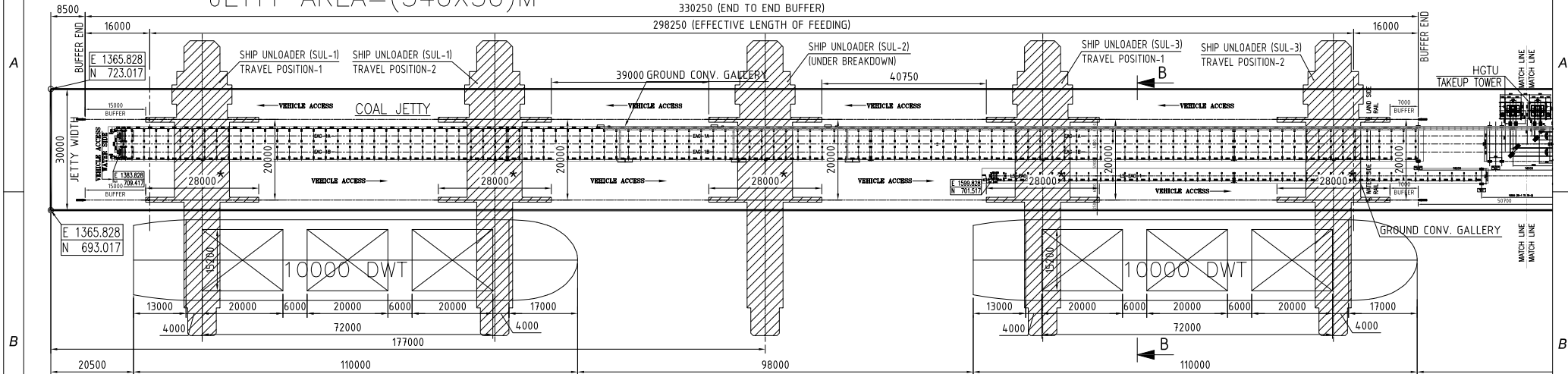
NAME	DATE	PACKAGE VENDOR	SCALE
DRN RR	27.07.2020	TAKRAF	NTS
CHD JAS	27.07.2020	TAKRAF	SHEET 6
APPD AS	27.07.2020	TAKRAF	OF 9
SUPERSEDES	BHEL JOB NO.: IS-1-15-2004	TITLE: GENERAL LAYOUT OF JETTY	STATUS OF DRG.: FOR INFORMATION
SUPERSEDED BY	SIZE- A3 [420 x 297]	PROJECT NO.: 702	REV.: 3
SYSTEM	ANNEX: -	DRAWING NO.: -	
CUSTOMER DRAWING NO.: MAITREE-00-EAA-ED-175158-ISC			

REV	DATE	DRN/CHD/APPD	DESCRIPTION/NOTE
4			
3			
2			
1			

NOTE:-

- ALL DIMENSIONS ARE IN MILLIMETERS.
- ALL LEVELS ARE IN METERS.
- "*" MARKED DIMENSION IS SHIP UNLOADER SUL-1,2&3 MACHINE BUFFER END TO END

SHIP UNLOADER-2 SHUTDOWN (10000DWT 110M)
JETTY AREA=(540X30)M 330250 (END TO END BUFFER)



REFERENCE DRG:

1. MATREE--00-EAA-EC-175155--ISG -- GA OF SHIP UNLOADER TYPE 1 & TYPE2
2. MATREE--00-EAA-ED-175157--ISG -- WHEEL LOAD DIAGRAM OF SHIP UNLOADER
3. MATREE--00-EAA-DA-175179--ISG -- ARRANGEMENT AND DETAIL OF STORM ANCHOR POCKET
4. MATREE--00-EAA-DA-175180--ISG -- DETAIL OF PIT DIMENSION PCRD AND HT SWITCH
5. MATREE--00-EAA-DA-175194--ISG -- RAIL FIXING ARRANGEMENT AND END BUFFER
STOP DETAIL FOR SHIP UNLOADER
6. MATREE--00-ETG-LH-176054--ISG--0-- LAYOUT & GA OF SHIP LOADING SYSTEM

CUSTOMER CONSULTANT:

NT: CUSTOMER/PROJECT:

FICHTNER
M/s FICHTNER GmbH &
Co KG, Stuttgart, GERMANY




**BANGLADESH-INDIA FRIENDSHIP POWER
COMPANY PVT. LTD, DHAKA, BANGALADESH
2x660 MW MAITREE STPP, RAMPAL, BANGLADESH**

EPC CONTRACTOR:



BHARAT HEAVY ELECTRICALS LTD.
INDUSTRIAL SYSTEMS GROUP, BANGALORE

	NAME	DATE	PACKAGE VENDOR	TENOVA India Private limited.	SCALE NTS
DRN	RR	27.07.2020		TAKRAF GmbH	SHEET 7
CHD	JAS	27.07.2020			OF 9
APPD	AS	27.07.2020		TITLE: GENERAL LAYOUT OF JETTY	
SUPERSEDES			BHEL JOB NO.: IS-1-15-2004		STATUS OF DRG.: FOR INFORMATION
SUPERSEDED BY			SIZE= A3 [420 x 297]		PROJECT NO.: 702
SYSTEM			ANNEX.: -- DRAWING NO.: --		REV.: 3
CUSTOMER DRAWING NO.: MAITREE--00-EAA-ED-175158-1SG					

CUSTOMER DRAWING NO.: MAITREE-00-EAA-ED-175158-1SG

SHIP UNLOADER SUL3 TO FEED THE CONVEYOR EAC-1A AND EAC-1B (COAL) & LS-EAC-1 (LIMESTONE)

NOTE:-

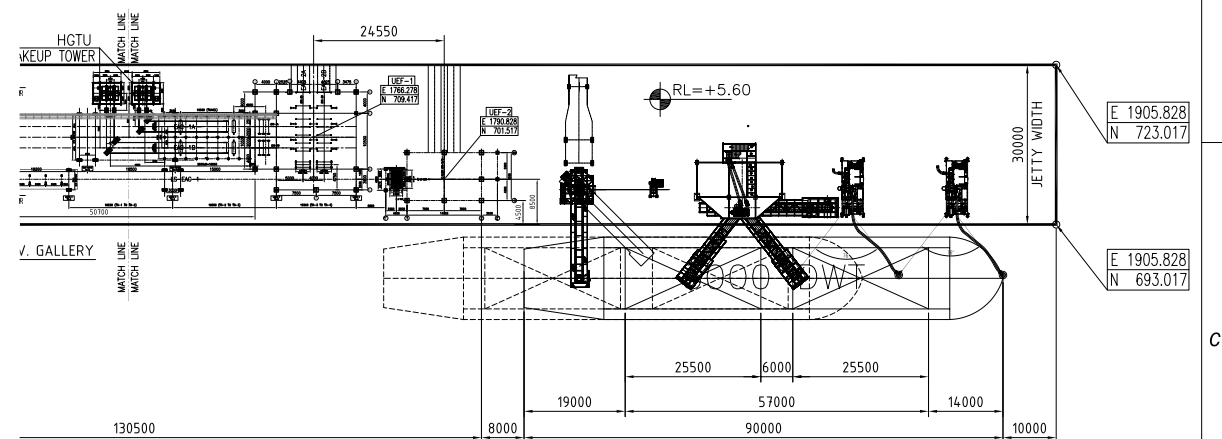
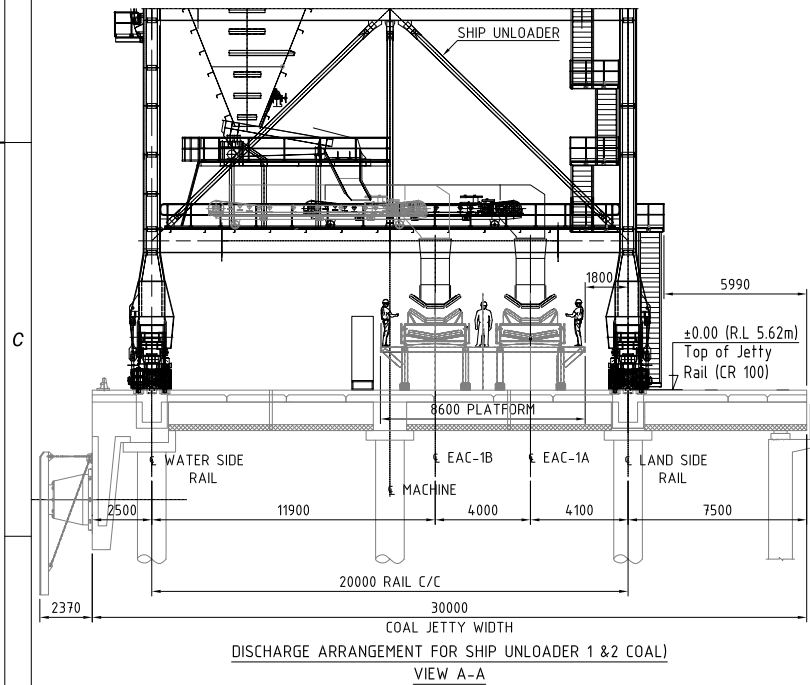
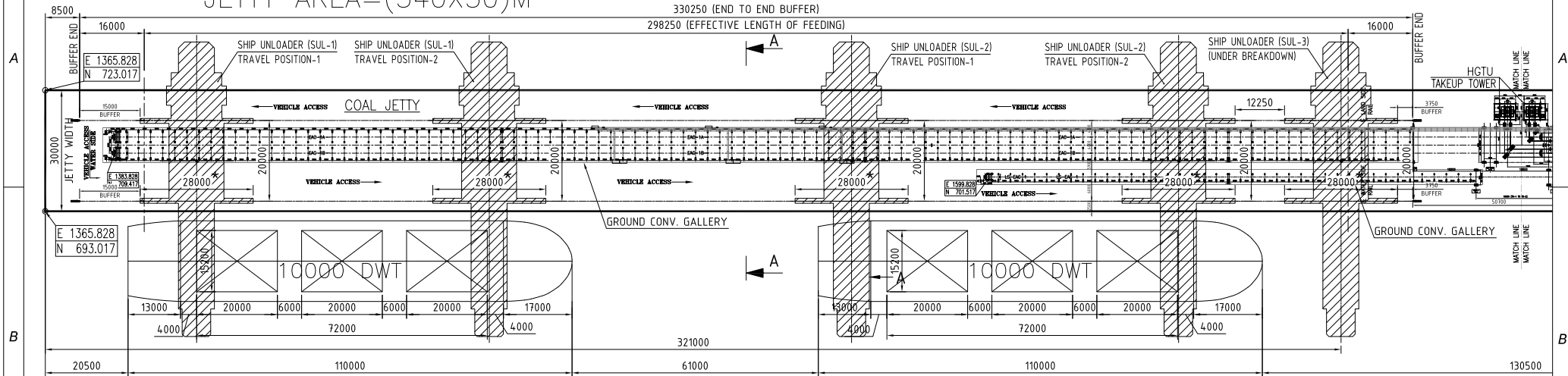
- 1) ALL DIMENSIONS ARE IN MILLIMETERS.
2) ALL LEVELS ARE IN METERS.
3) "*" MARKED DIMENSION IS SHIP UNLOADER SUL-1,2&3 MACHINE BUFFER END TO END

4					
3					
2					
1	-	-	-	-	-
REV	DATE	DRN	CHD	APPD	DESCRIPTION/NOTE

THIS CAD DRAWING MAY ONLY BE ALTERED WITH A CAD SYSTEM

SHIP UNLOADER-3 SHUTDOWN (10000DWT 110M)

JETTY AREA=(540X30)M



REFERENCE DRG:

- MAITREE-00-EAA-EC-175155-ISC - GA OF SHIP UNLOADER TYPE 1 & TYPE2
- MAITREE-00-EAA-ED-175157-ISC - WHEEL LOAD DIAGRAM OF SHIP UNLOADER
- MAITREE-00-EAA-DA-175179-ISC - ARRANGEMENT AND DETAIL OF STORM ANCHOR POCKET
- MAITREE-00-EAA-DA-175180-ISC - DETAIL OF PIT DIMENSION PCRD AND HT SWITCH
- MAITREE-00-EAA-DA-175194-ISC - RAIL FIXING ARRANGEMENT AND END BUFFER STOP DETAIL FOR SHIP UNLOADER
- MAITREE-00-ETG-LH-176054-ISC-0- LAYOUT & GA OF SHIP LOADING SYSTEM

CUSTOMER CONSULTANT:		CUSTOMER/PROJECT:	
FICHTNER		BANGLADESH-INDIA FRIENDSHIP POWER COMPANY PVT. LTD, DHAKA, BANGLADESH	
M/s FICHTNER GmbH & Co KG, Stuttgart, GERMANY		2x660 MW MAITREE STPP, RAMPAL, BANGLADESH	
EPC CONTRACTOR:		BHARAT HEAVY ELECTRICALS LTD.	
		INDUSTRIAL SYSTEMS GROUP, BANGALORE	
NAME	DATE	PACKAGE VENDOR	SCALE
DRN RR	27.07.2020	TAKRAF	NTS
CHD JAS	27.07.2020	TAKRAF GmbH	SHEET 8
APPD AS	27.07.2020	TITLE: GENERAL LAYOUT OF JETTY	OF 9
SUPERSEDES		BHEL JOB NO.: IS-1-15-2004	STATUS OF DRG.: FOR INFORMATION
SUPERSEDED BY		SIZE- A3 [420 x 297]	PROJECT NO.: 702
SYSTEM		ANNEX: -	DRAWING NO.: -
REV		DATE	DESCRIPTION/NOTE
4			
3			
2			
1			
CUSTOMER DRAWING NO.: MAITREE-00-EAA-ED-175158-ISC			

SHIP UNLOADER SUL1 & SUL2 TO FEED THE CONVEYOR EAC-1A AND EAC-1B (COAL)
SHIP UNLOADER SUL3 TO FEED THE CONVEYOR EAC-1A AND EAC-1B (COAL) & LS-EAC-1 (LIMESTONE)

NOTE:-

- ALL DIMENSIONS ARE IN MILLIMETERS.
- ALL LEVELS ARE IN METERS.
- "*" MARKED DIMENSION IS SHIP UNLOADER SUL-1,2&3 MACHINE BUFFER END TO END

