

15 -ാം കേരള നിയമസഭ

4 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 2971

18-03-2022 - ൽ മറുപടിയ്ക്ക്

ആനങ്ങാടി കടൽസുരക്ഷാ ഭിത്തി നിർമ്മാണം

ചോദ്യം		ഉത്തരം	
ശ്രീ. അബൂൽ ഹമീദ് പി		null (ജലവിഭവ വകുപ്പ് മന്ത്രി)	
(എ)	<p>വള്ളിക്കുന്ന് ഗ്രാമപഞ്ചായത്തിലെ ആനങ്ങാടി ബീച്ചിൽ പ്രകൃതിക്ഷോഭത്തിൽ തകർന്ന ആനങ്ങാടി മുതൽ ബാഫവി നഗർ വരെയുള്ള ഭാഗങ്ങളിൽ കടൽഭിത്തി നിർമ്മിക്കുന്നതിനായി കോഴിക്കോട് സർക്കിൾ ഓഫീസിൽ നിന്നും 31.01.2022-ൽ ചീഫ് എഞ്ചിനീയർക്ക് സമർപ്പിച്ച ശിപാർശയുടെ പുരോഗതി വ്യക്തമാക്കാമോ;</p>	(എ)	<p>വള്ളിക്കുന്ന് ഗ്രാമപഞ്ചായത്തിലെ ആനങ്ങാടി ബീച്ചിൽ പ്രകൃതിക്ഷോഭത്തിൽ തകർന്ന ആനങ്ങാടി മുതൽ ബാഫവി നഗർ വരെയുള്ള ഭാഗങ്ങളിൽ കടൽഭിത്തി നിർമ്മിക്കുന്നതിനായി സർക്കിൾ ഓഫീസിൽ നിന്നും സമർപ്പിച്ച ശിപാർശയിന്മേൽ, 197.6 ലക്ഷം രൂപയുടെ റിപ്പോർട്ട് ഭരണാനുമതിക്കായി ജലസേചനവും ഭരണവും ചീഫ് എഞ്ചിനീയറിൽ നിന്നും 14/03/2022-ൽ സർക്കാരിൽ ലഭിച്ചത് സർക്കാരിന്റെ പരിഗണനയിലാണ്. ആയതിന്റെ പകർപ്പ് അനുബന്ധമായി ചേർക്കുന്നു.</p>
(ബി)	<p>ഇതുസംബന്ധിച്ച വ്യക്തമായ ശിപാർശ സർക്കാരിലേക്ക് ബന്ധപ്പെട്ട ഭരണ വകുപ്പ് സമർപ്പിച്ചിട്ടില്ലേ; എങ്കിൽ പകർപ്പ് ലഭ്യമാക്കാമോ; ഇല്ലെങ്കിൽ കാരണമന്ത്രിന് കാരണം വിശദീകരിക്കാമോ;</p>	(ബി)	<p>വള്ളിക്കുന്ന് ഗ്രാമപഞ്ചായത്തിലെ ആനങ്ങാടി ബീച്ചിൽ പ്രകൃതിക്ഷോഭത്തിൽ തകർന്ന ആനങ്ങാടി മുതൽ ബാഫവി നഗർ വരെയുള്ള ഭാഗങ്ങളിൽ കടൽഭിത്തി നിർമ്മിക്കുന്നതിനായി സർക്കിൾ ഓഫീസിൽ നിന്നും സമർപ്പിച്ച ശിപാർശയിന്മേൽ, 197.6 ലക്ഷം രൂപയുടെ റിപ്പോർട്ട് ഭരണാനുമതിക്കായി ജലസേചനവും ഭരണവും ചീഫ് എഞ്ചിനീയറിൽ നിന്നും 14/03/2022-ൽ സർക്കാരിൽ ലഭിച്ചത് സർക്കാരിന്റെ പരിഗണനയിലാണ്. ആയതിന്റെ പകർപ്പ് അനുബന്ധമായി ചേർക്കുന്നു.</p>
(സി)	<p>പ്രസ്തുത പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട് തയ്യാറാക്കിയ എസ്റ്റിമേറ്റ് പരിഗണിച്ച് ഭരണാനുമതി നൽകുമോ?</p>	(സി)	<p>വള്ളിക്കുന്ന് ഗ്രാമപഞ്ചായത്തിലെ ആനങ്ങാടി ബീച്ചിൽ പ്രകൃതിക്ഷോഭത്തിൽ തകർന്ന ആനങ്ങാടി മുതൽ ബാഫവി നഗർ വരെയുള്ള ഭാഗങ്ങളിൽ കടൽഭിത്തി നിർമ്മിക്കുന്നതിനായി സർക്കിൾ ഓഫീസിൽ നിന്നും സമർപ്പിച്ച ശിപാർശയിന്മേൽ, 197.6 ലക്ഷം രൂപയുടെ റിപ്പോർട്ട് ഭരണാനുമതിക്കായി ജലസേചനവും ഭരണവും ചീഫ് എഞ്ചിനീയറിൽ നിന്നും 14/03/2022-ൽ സർക്കാരിൽ ലഭിച്ചത് സർക്കാരിന്റെ</p>

പരിഗണനയിലാണ്. ആയതിന്റെ പകർപ്പ്
അനുബന്ധമായി ചേർക്കുന്നു.

സെക്ഷൻ ഓഫീസർ

No.W5/35242/2021/FS/DB1

Office of the Chief Engineer
Irrigation & Administration
Thiruvananthapuram
Dated: 11.03.2022.

From

The Chief Engineer

To

Additional Chief Secretary to Government
Water Resources (IR) Department
Thiruvananthapuram.

Sir,

Sub: - ASE work- Reformation of the damaged seawall for a length of 270 m
from CESC 1736 towards South at Anangadi Beach in Vallikunnu
Panchayath of Malappuram district-- reg:-

Ref:- 1) Letter No. D2 – 442/2022 dated 29.01.2022 of the

Superintending Engineer, Irrigation North Circle, Kozhikkode.

2) Petition received from Hon'ble Vallikkunnu MLA Sri.Abdul Hameed P Dated
02/12/2021.

3) This Office Letter of even number dated 25/02/2022

Kind attention of Government is invited to the above reference cited. I am submitting herewith the Detailed Project Report of the subject work which was received from the Superintending Engineer, Irrigation North Circle, Kozhikkode for an amount of Rs.1,97,60,000 (Rupees one Crore Ninety Seven Lakhs and Sixty Thousand only). The nature and necessity of the work is explained in the accompanying estimate report. The estimate is prepared based on DSR 2018. The Hon'ble Vallikkunnu MLA Sri. Abdul Hameed P has also requested to take necessary measures for issuing Administrative Sanction for the subject work. Hence I request that necessary action may please be taken to accord Administrative Sanction under the Head of account 2711-02-103-99-00-00-V at the earliest. .

Encl:- Detailed Estimate – 1 No

Yours faithfully


Chief Engineer

Name of work : ASE work- Reformation of the damaged seawall for a length of 270 m from CЕСP 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.

GENERAL DETAILS

1. Nature of work Deposit : Revenue (Non-Plan)
2. Financial Year : 2021-2022
3. Parliamentary Constituency : Malappuram
4. Assembly Constituency : VALLIKUNNU
5. Work Class : Maintenance Work
6. Cost Index Based on : Malappuram
7. Head of Account : 2711-02-103-99-00-00-V
8. Budget Volume/Part/ Page No/ Serial No. :/...../...../.....
9. Budget Provision
10. Asset No
11. Panchayath/Council Resolution No.
12. Proposed Duration to Complete this Work : 0 Years 8 Months 0 Days

Irrigation

PRICE

[Signature]
EXECUTIVE ENGINEER
IRRIGATION DIVISION
MALAPPURAM

[Signature]
Assistant Executive Engineer
Irrigation Sub Division
Parappanangadi

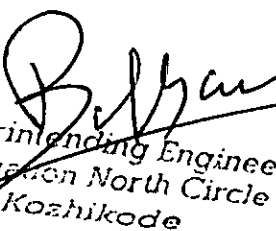
[Signature]
ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

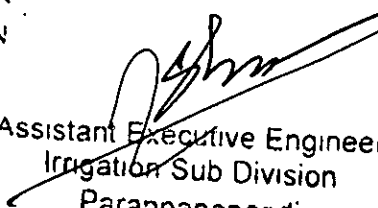
[Signature]
Superintending Engineer
Irrigation North Circle
Kozhikode

Name of work : ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikkunnu Panchayath of Malappuram district.

ESTIMATE REPORT

The coastal belt of Malappuram district had been severely affected by sea attack due to frequent cyclones during last few years. There is a 270 m long fishing gap at Anangadi beach between CESC 1736 and CESC 1734 in Vallikkunnu Panchayath in Malappuram district. It is known that the existing sea wall was constructed at this location almost 20 m away from nearby original sea wall alignment and the top level of the sea wall was lowered as per the demand from the fisher men for them to facilitate to embark fishing boats. Now this existing wall is totally damaged and completely sunken too. At the time of cyclones and heavy tides the sea gushing to this fishing gap and nearby houses are in severe threat. Emergency protection work is required in this area to save the life and land of the inhabitants. There had severe sea attack in connection with the "Touktae" cyclone occurred and trees were uprooted at this area during the mid-week of May 2021. The MLA concerned Sri. P. Abdul Hameed also requested to protect this area. Hence this estimate prepared. Now the existing lowered seawall has been sank more and covered with soil. So it is mandatory to reform the sea wall in to the original standard level after removing the soil and constructing sea wall as per the standard design. In this estimate, provisions included for earth work by mechanical means for removing the soil and levelling, Unified data for construction of Sea Wall as per Modified Design Suggested by CWPRS Pune - Providing filter of sea wall with woven fabric filter GWF-26-130 weight not less than 130gm/m² pore size (mm) less than 0.075 has proposed. Over the fabric filter 15 cm sand cushion has also proposed. It is also proposed to carry out supplying, stacking and dumping in position for a length of 270 m by using 40 % of 20 to 40 dm³ blasted granite stones & 60 % of 45 dm³ blasted granite stone for the core of wall and 200dm³ stones for armour stones as per approved design including supply of stones, loading from quarry to tipper and conveying to site, unloading and stacking as per the direction of the departmental officers at site for measurement, dumping in position at site to lines and levels for forming the section as per the approved design with the help of machinery including hire and operational charges of the all tools and plants, wages of drivers and all sundry expenses providing track for movement of vehicles etc. Levelling of the site is also included in the estimate to get proper bedding for stone. Estimate is prepared as per DSR 2018 with cost index of 36.44% for Malappuram. The estimate amount comes to Rs. 197.60 Lakh (including GST component @ 12 %.


EXECUTIVE ENGINEER
IRRIGATION DIVISION
MALAPPURAM
 Superintending Engineer
 Irrigation North Circle
 Kozhikode


 Assistant Executive Engineer
 Irrigation Sub Division
 Parappanangadi


ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

General Abstract

ASE work- Reformation of the damaged seawall for a length of 270 m from CЕСCP 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.

(Cost Index Applied for this estimate is 36.44%)

SI No	Heading Description	Amount
1	Sea wall Refomation	17138336.76
2	LS for unforeseen items if any	500000.00
Total Amount		17638337.00
Provision for GST payments (in %) @		12.0%
Amount reserved for GST payments		2116600.44
Total		19754937.44
Lumpsum for round off		5062.56
TOTAL Rs		19760000.00
Rounded Total Rs		1,97,60,000
Rupees One Crore Ninety Seven Lakh Sixty Thousand Only		

(Cost Index Applied for this estimate is 36.44%)

Irrigation

PRICE

[Signature]
EXECUTIVE ENGINEER
IRRIGATION DIVISION
MALAPPURAM

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ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

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Assistant Executive Engineer
Irrigation Sub Division
Parappanangadi

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Superintending Engineer
Irrigation North Circle
Kozhikode

Detailed Estimate

ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.

(Cost Index Applied for this estimate is 36.44%)

SI No	Description	No	L	B	D	CF	Quantity	Remark	
1 Sea wall Refomation									
1	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil								
		1	270.000	15.500	0.750		3138.750		
		Total Quantity						3138.750 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						3138.750 cum	
		Say 3138.750 cum @ Rs 215.37 / cum						Rs 675992.59	
2	60.47 Unified data for construction of Sea Wall as per Modified Design Suggested by CWPRS Pune - Providing filter of sea wall with woven fabric filter GWF-26-130 weight not less than 130gm/m2 pore size(mm) less than 0.075 with and overlap of 30cm at all joints stitched together pulled up in to folds uniformly and sufficiently in both direction for avoiding over-extension of fibre of which it is composed and forming the toe to prevent scourage including conveyance and all leads and lifts etc. complete.								
		1	272.000	16.500			4488.000		
		Total Quantity						4488.000 sqm	
		Total Deducted Quantity						0.000 sqm	
		Net Total Quantity						4488.000 sqm	
		Say 4488.000 sqm @ Rs 91.75 / sqm						Rs 411774.00	
3	60.48 Unified Data for Construction of sea wall as per modified design suggested by CWPRS Pune- Providing sand cushion over geo fabric filter by depositing and spreading sea sand in suitable layers with all leads and lifts etc. complete as per the direction of the departmental officers at site.								
	For Sea Wall	1	272.000	16.500	0.150		673.200		
		Total Quantity						673.200 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						673.200 cum	
		Say 673.200 cum @ Rs 265.31 / cum						Rs 178606.69	

4	60.34.6 A.S.E Reformation work- Malappuram -Supplying at site of work,granite stones20 to40 dm3 in size , including stacking for measurement.		1	893.700				893.700	
		Total Quantity						893.700 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						893.700 cum	
		Say 893.700 cum @ Rs 1868.71 / cum						Rs 1670066.13	
5	60.36.6 A.S.E Reformation work-Malappuram-Supplying at site of work,granite stones 45 dm3 in size , including stacking for measurement.		1	1340.550				1340.550	
		Total Quantity						1340.550 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						1340.550 cum	
		Say 1340.550 cum @ Rs 1868.71 / cum						Rs 2505099.19	
6	60.44 Unified Data for A.S.E work - Conveyance of departmental granite stone 20 to 45 dm3 in size from stack at site and dumping in position (60% 45dm3,30% 30 to 40dm3 and 10% 20 to 30dm3 stones) to lines and levels to form the core of the sea wall as per approved design including all leads and lifts etc.complete as per the directions of the departmental Officers at site.		1	2234.250				2234.250	
		Total Quantity						2234.250 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						2234.250 cum	
		Say 2234.250 cum @ Rs 620.67 / cum						Rs 1386731.95	
7	60.40.6 A.S.E -Reformation work- Malappuram- Supplying at site of work granite rubble 200 dm3 in size as nearly cubical as possible the minimum dimension in any of the three perpendicular directions passing through the centre of gravity of each individual stone being not less than 45 cm including loading and unloading charges etc. and marking with distinguishing number on three faces with paint etc complete .		1	12378.000				12378.000	
		Total Quantity						12378.000 each	
		Total Deducted Quantity						0.000 each	
		Net Total Quantity						12378.000 each	
		Say 12378.000 each @ Rs 646.47 / each						Rs 8002005.66	

8	60.41	Dumping in position(not to be packed)granite rubble 200dm3 in size suitably to form the armour course of sea wall as per approved design(dumping with a lead upto 50m)using rail track or pneumatic type equipment with crane or winches or by any other method each trip to take 3 minutes and carry 3 stones(1.6 ton)						
		1	10312.000				10312.000	
Total Quantity							10312.000 each	
Total Deducted Quantity							0.000 each	
Net Total Quantity							10312.000 each	
Say 10312.000 each @ Rs 172.87 / each							Rs 1782635.44	
9	60.42	Dumping in position(to be packed)granite rubble 200dm3 in size suitably to form the armour course of sea wall as per approved design(dumping with a lead upto 50m)using rail track or pneumatic type equipment with crane or winches or by any other method each trip to take 3 minutes and carry 3 stones(1.6 ton)						
		1	2066.000				2066.000	
Total Quantity							2066.000 no	
Total Deducted Quantity							0.000 no	
Net Total Quantity							2066.000 no	
Say 2066.000 no @ Rs 254.32 / no							Rs 525425.12	
SI No	Description	No	L	B	D	CF	Quantity	Remark
PRICE								
2 LS for unforeseen items if any								
Lump-Sum Total							Rs 500000.00	
Total Amount							17638337.00	
Provision for GST payments (in %) @							12.0%	
Amount reserved for GST payments							2116600.44	
Total							19754937.44	
Lumpsum for round off							5062.56	
TOTAL Rs							19760000.00	
Rounded Total Rs							1,97,60,000	
Rupees One Crore Ninety Seven Lakh Sixty Thousand Only								

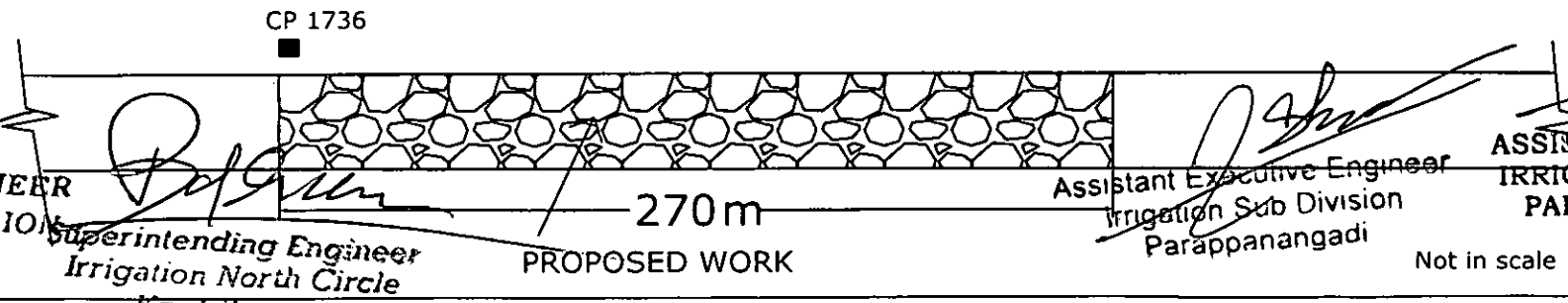
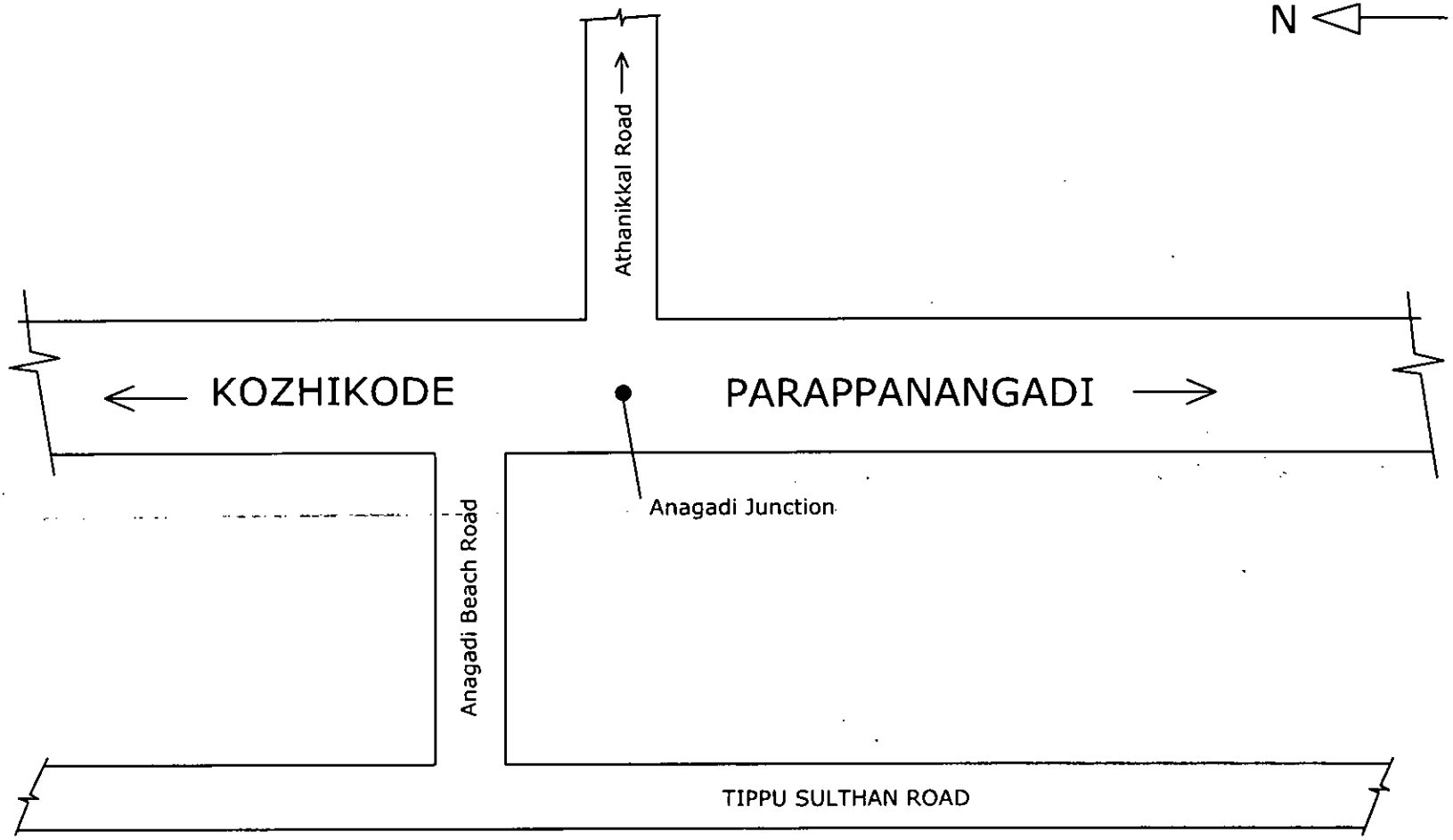
(Cost Index Applied for this estimate is 36.44%)

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EXECUTIVE ENGINEER
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ASSISTANT ENGINEER
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 PARAPPANANGADI

ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



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EXECUTIVE ENGINEER
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Kozhikode

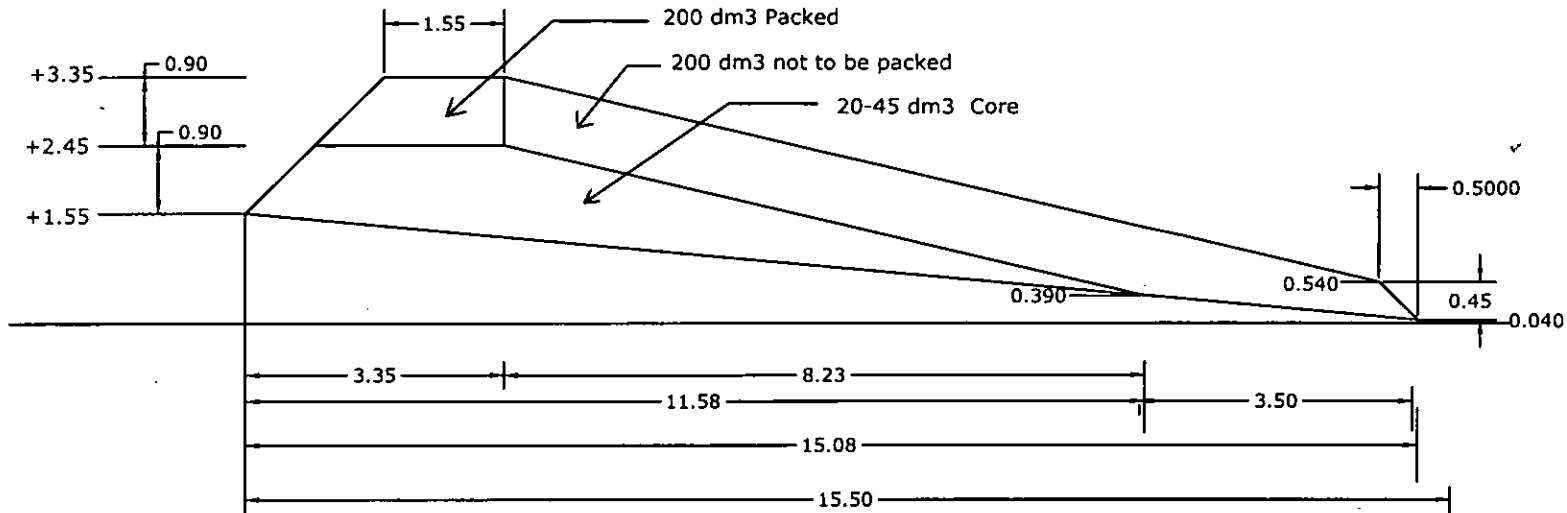
PROPOSED WORK

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Assistant Executive Engineer
Irrigation Sub Division
Parappanangadi

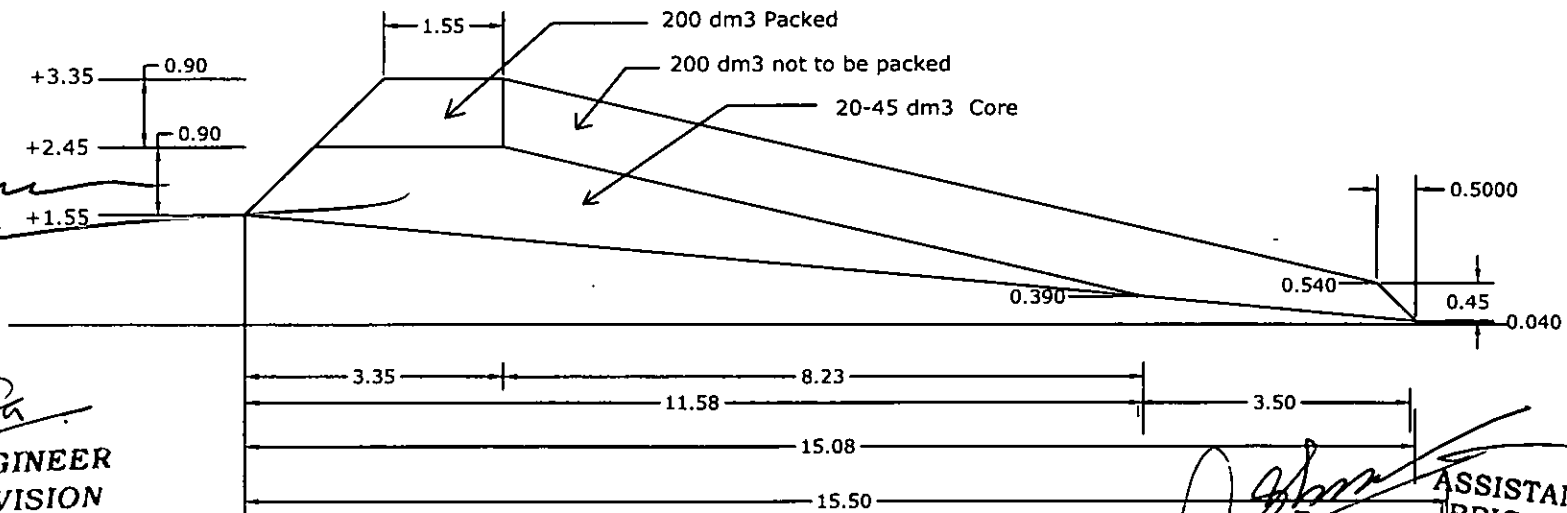
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ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

Not in scale

ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



Cross Section at 0.00m



Cross Section at 30.00m

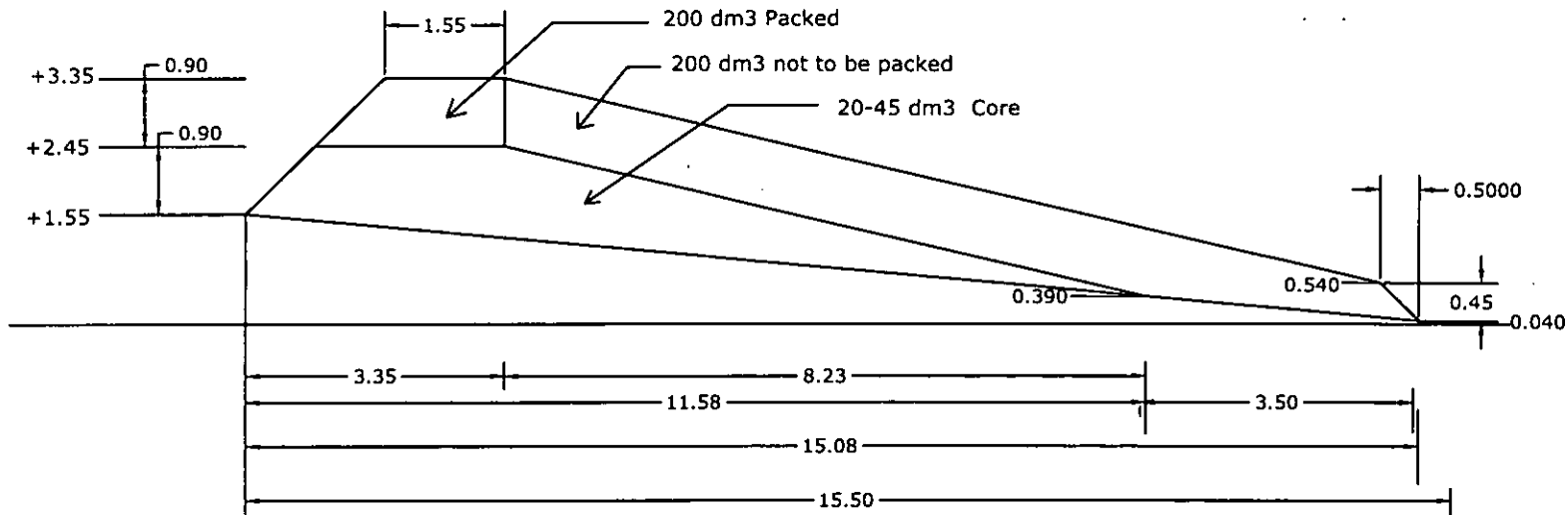
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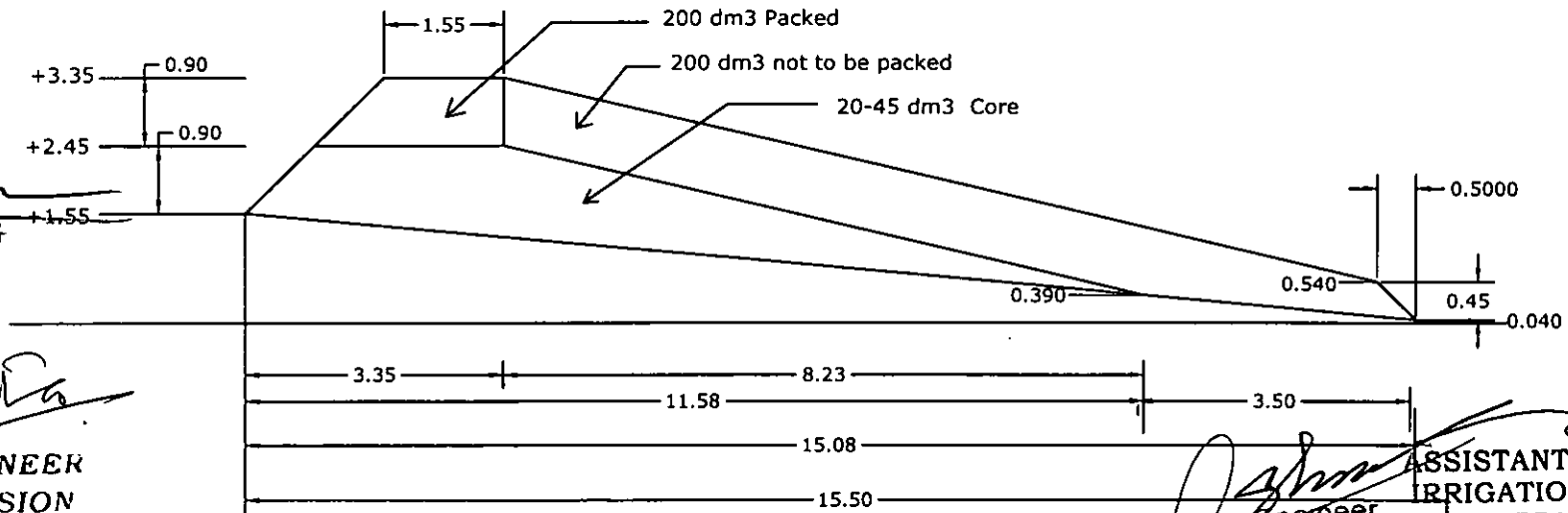
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[Signature]
 ASSISTANT ENGINEER
 IRRIGATION SECTION
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ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



Cross Section at 60.00m



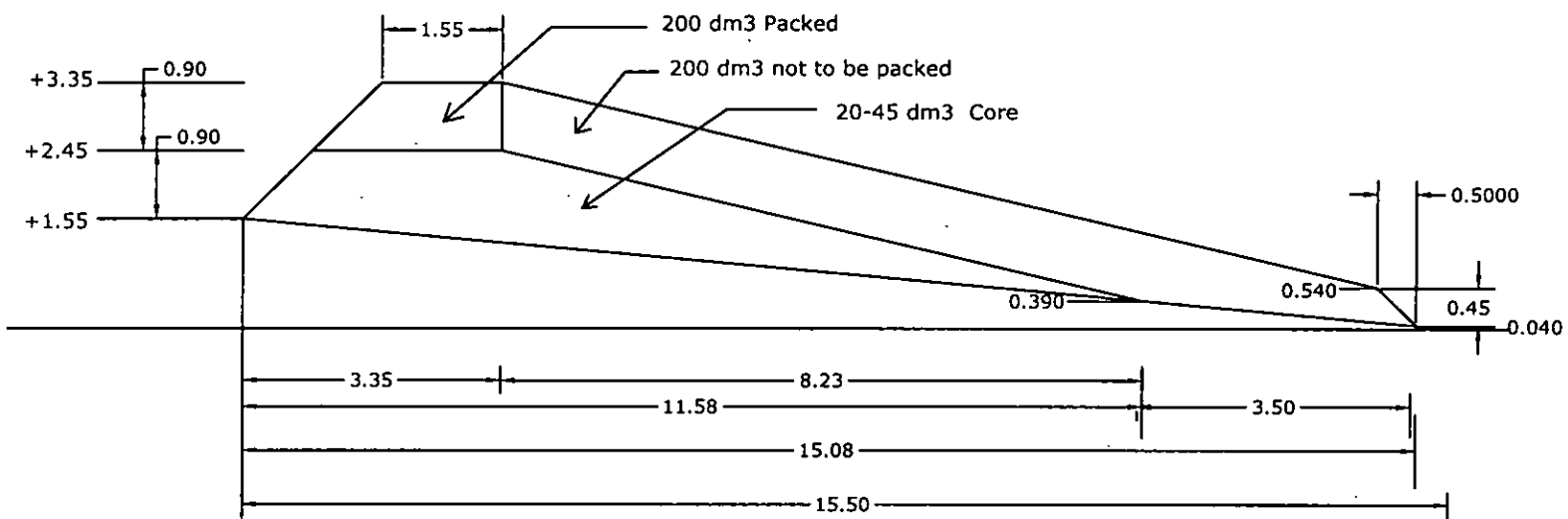
Cross Section at 90.00m

[Signature]
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 Irrigation North Circle
 Kozhikode

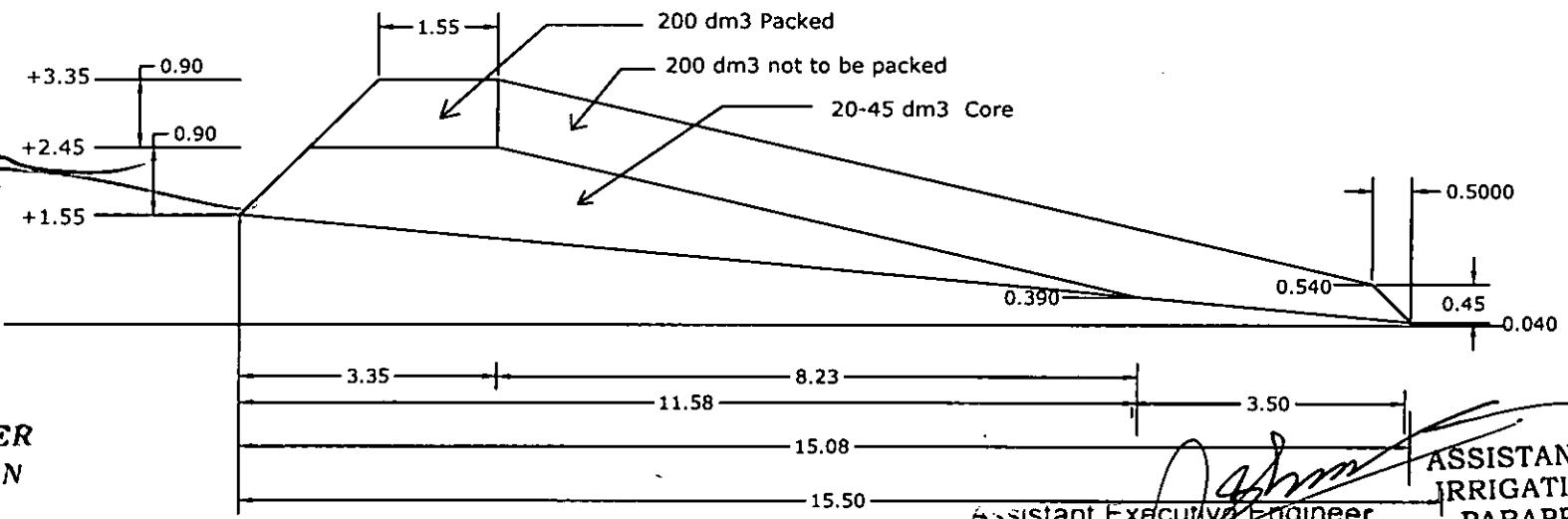
[Signature]
 EXECUTIVE ENGINEER
 IRRIGATION DIVISION
 MALAPPURAM

[Signature]
 ASSISTANT ENGINEER
 IRRIGATION SECTION
 PARAPPANANGADI

Work Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



Cross Section at 120.00m



Cross Section at 150.00m

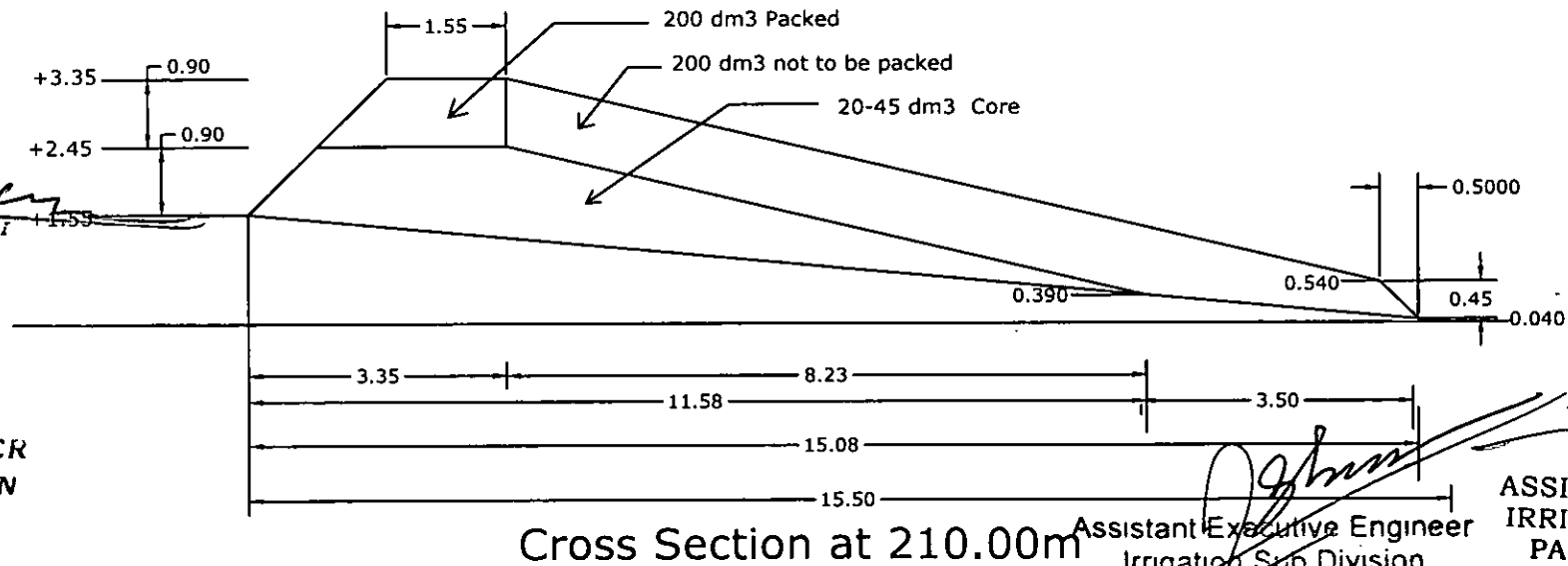
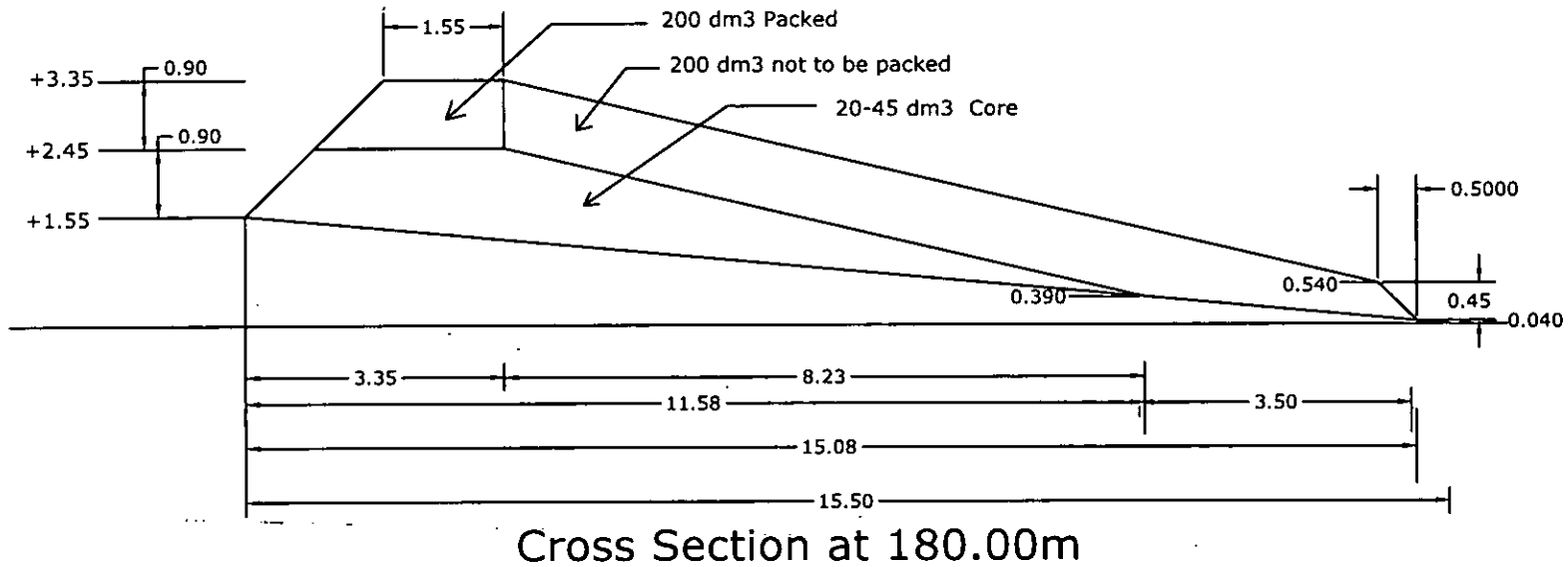
Balban
 Superintending Engineer
 Irrigation North Circle
 Kozhikode

hml
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 MALAPPURAM

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 Assistant Executive Engineer
 Irrigation Sub Division
 Parappanangadi

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 PARAPPANANGADI

ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



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 ASSISTANT ENGINEER
 IRRIGATION SECTION
 PARAPPANANGADI

**ASE work- Reformation of the damaged seawall for a length of 270 m from CESC
1736 towards South at Anagadi Beach in Vallikunnu Panchayath of Malappuram
district.**

Quantity Calculation

200dm3 to be packed

Sl No.	Chainage in M	Distance in M	Area-M2	Mean Area-M2	Qty-M3
1	0	0	1.800		
2	30	30	1.800	1.800	54.000
3	60	30	1.800	1.800	54.000
4	90	30	1.800	1.800	54.000
5	120	30	1.800	1.800	54.000
6	150	30	1.800	1.800	54.000
7	180	30	1.800	1.800	54.000
8	210	30	1.800	1.800	54.000
9	240	30	1.800	1.800	54.000
10	270	30	1.800	1.800	54.000
total					486.000

Quantity Calculation

200dm3 not to be packed

Sl No.	Chainage in M	Distance in M	Area-M2	Mean Area-M2	Qty-M3
1	0	0	9.548		
2	30	30	9.548	9.548	286.440
3	60	30	9.548	9.548	286.440
4	90	30	9.548	9.548	286.440
5	120	30	9.548	9.548	286.440
6	150	30	9.548	9.548	286.440
7	180	30	9.548	9.548	286.440
8	210	30	9.548	9.548	286.440
9	240	30	9.548	9.548	286.440
10	270	30	9.548	9.548	286.440
total					2577.960

Quantity Calculation

Core

Sl No.	Chainage in M	Distance in M	Area-M2	Mean Area-M2	Qty-M3
1	0	0	8.275		
2	30	30	8.275	8.275	248.250
3	60	30	8.275	8.275	248.250
4	90	30	8.275	8.275	248.250
5	120	30	8.275	8.275	248.250
6	150	30	8.275	8.275	248.250
7	180	30	8.275	8.275	248.250
8	210	30	8.275	8.275	248.250
9	240	30	8.275	8.275	248.250
10	270	30	8.275	8.275	248.250
total					2234.250

Quantity of 200dm3 stones to be packed					198.00	m3
ic,	486.00	0.85	5		2065.5	
				say	2066	

Quantity of 200dm3 not to be packed					1050.28	m3
ic,	2577.960	0.80	5		10311.84	
				say	10312	

Quantity of 20 to 40 dm3 stones	2234.250	0.4			893.700	m3
Quantity of 45dm3 stones	2234.250	0.6			1340.550	m3

Superintending Engineer
Irrigation North Circle
Kozhikode

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IRRIGATION DIVISION
MALAPPURAM

Assistant Executive Engineer
Irrigation Sub Division
Parappanangadi

ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

**ASE work- Reformation of the damaged seawall for a length of 270 m from
CESCP 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of
Malappuram district.**

Area Calculation

C.S at Ch.0.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	<u>Deduction</u>	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193				
		7.803 m2				6.003 m2
Net Area =		<u>1.800 m2</u>				

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	<u>Deduction</u>	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145		$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		21.987 m2				12.439 M2
Net Area =		<u>9.548 m2</u>				

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	<u>Deduction</u>	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003				
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687				
		19.489 m2				11.233 M2
Net Area =		<u>8.257 m2</u>				

C.S at Ch.30.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	<u>Deduction</u>	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193				
		7.803 m2				6.003 m2
Net Area =		<u>1.800 m2</u>				

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	<u>Deduction</u>	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145		$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		21.987 m2				12.439 M2

Net Area = 9.548 m2

Core

1.550	+	2.450 *	0.900	1.800
		<u>2</u>		
2.450	+	2.450 *	2.450	6.003
		<u>2</u>		
2.450	+	0.390 *	8.230	11.687
		<u>2</u>		
				19.489 m2

Net Area = 8.257 m2

C.S at Ch.60.00

200dm3 to be packed

2.450	+	3.350 *	0.900	2.610
		<u>2</u>		
3.350	+	3.350 *	1.550	5.193
		<u>2</u>		
				7.803 m2

Net Area = 1.800 m2

200 dm3 not to be packed

3.350	+	0.540 *	11.230	21.842
		<u>2</u>		
0.540	+	0.040 *	0.500	0.145
		<u>2</u>		
				21.987 m2

Net Area = 9.548 m2

Core

1.550	+	2.450 *	0.900	1.800
		<u>2</u>		
2.450	+	2.450 *	2.450	6.003
		<u>2</u>		
2.450	+	0.390 *	8.230	11.687
		<u>2</u>		
				19.489 m2

Net Area = 8.257 m2

C.S at Ch.90.00

200dm3 to be packed

2.450	+	3.350 *	0.900	2.610
		<u>2</u>		
3.350	+	3.350 *	1.550	5.193
		<u>2</u>		
				7.803 m2

Net Area = 1.800 m2

Deduction

1.550	+	0.390 *	11.580	11.233
		<u>2</u>		

11.233 M2

Deduction

2.450	+	2.450 *	2.450	6.003
		<u>2</u>		

6.003 m2

Deduction

2.450	+	0.390 *	8.230	11.687
		<u>2</u>		
0.390	+	0.040 *	3.500	0.753
		<u>2</u>		

12.439 M2

Deduction

1.550	+	0.390 *	11.580	11.233
		<u>2</u>		

11.233 M2

Deduction

2.450	+	2.450 *	2.450	6.003
		<u>2</u>		

6.003 m2

200 dm3 not to be packed

<u>3.350</u>	+	<u>0.540 *</u>	11.230	21.842
2				
<u>0.540</u>	+	<u>0.040 *</u>	0.500	0.145
2				

Net Area = **9.548 m2**

Core

<u>1.550</u>	+	<u>2.450 *</u>	0.900	1.800
2				
<u>2.450</u>	+	<u>2.450 *</u>	2.450	6.003
2				
<u>2.450</u>	+	<u>0.390 *</u>	8.230	11.687
2				

Net Area = **8.257 m2**

C.S at Ch.120.00

200dm3 to be packed

<u>2.450</u>	+	<u>3.350 *</u>	0.900	2.610
2				
<u>3.350</u>	+	<u>3.350 *</u>	1.550	5.193
2				

Net Area = **1.800 m2**

200 dm3 not to be packed

<u>3.350</u>	+	<u>0.540 *</u>	11.230	21.842
2				
<u>0.540</u>	+	<u>0.040 *</u>	0.500	0.145
2				

Net Area = **9.548 m2**

Core

<u>1.550</u>	+	<u>2.450 *</u>	0.900	1.800
2				
<u>2.450</u>	+	<u>2.450 *</u>	2.450	6.003
2				
<u>2.450</u>	+	<u>0.390 *</u>	8.230	11.687
2				

Net Area = **8.257 m2**

C.S at Ch.150.00

200dm3 to be packed

Deduction

<u>2.450</u>	+	<u>0.390 *</u>	8.230	11.687
2				
<u>0.390</u>	+	<u>0.040 *</u>	3.500	0.753
2				

12.439 M2

Deduction

<u>1.550</u>	+	<u>0.390 *</u>	11.580	11.233
2				

11.233 M2

Deduction

<u>2.450</u>	+	<u>2.450 *</u>	2.450	6.003
2				

6.003 m2

Deduction

<u>2.450</u>	+	<u>0.390 *</u>	8.230	11.687
2				
<u>0.390</u>	+	<u>0.040 *</u>	3.500	0.753
2				

12.439 M2

Deduction

<u>1.550</u>	+	<u>0.390 *</u>	11.580	11.233
2				

11.233 M2

Deduction

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193			
		7.803 m2			6.003
Net Area =		<u>1.800 m2</u>			

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145	$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		21.987 m2			12.439
Net Area =		<u>9.548 m2</u>			

Deduction

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003			
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687			
		19.489 m2			11.233
Net Area =		<u>8.257 m2</u>			

Deduction

C.S at Ch.180.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193			
		7.803 m2			6.003
Net Area =		<u>1.800 m2</u>			

Deduction

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145	$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		21.987 m2			12.439
Net Area =		<u>9.548 m2</u>			

Deduction

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003			
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687			
		19.489 m2			11.233

Deduction

Net Area = 8.257 m2

C.S at Ch.210.00

200dm3 to be packed

2.450	+	3.350 *	0.900	2.610
		2		
3.350	+	3.350 *	1.550	5.193
		2		
				7.803 m2

Deduction

2.450	+	2.450 *	2.450	6.003
		2		
				6.003

Net Area = 1.800 m2

200 dm3 not to be packed

3.350	+	0.540 *	11.230	21.842
		2		
0.540	+	0.040 *	0.500	0.145
		2		
				21.987 m2

Deduction

2.450	+	0.390 *	8.230	11.687
		2		
0.390	+	0.040 *	3.500	0.753
		2		
				12.439

Net Area = 9.548 m2

Core

1.550	+	2.450 *	0.900	1.800
		2		
2.450	+	2.450 *	2.450	6.003
		2		
2.450	+	0.390 *	8.230	11.687
		2		
				19.489 m2

Deduction

1.550	+	0.390 *	11.580	11.233
		2		
				11.233

Net Area = 8.257 m2

C.S at Ch.240.00

200dm3 to be packed

2.450	+	3.350 *	0.900	2.610
		2		
3.350	+	3.350 *	1.550	5.193
		2		
				7.803 m2

Deduction

2.450	+	2.450 *	2.450	6.003
		2		
				6.003

Net Area = 1.800 m2

200 dm3 not to be packed

3.350	+	0.540 *	11.230	21.842
		2		
0.540	+	0.040 *	0.500	0.145
		2		
				21.987 m2

Deduction

2.450	+	0.390 *	8.230	11.687
		2		
0.390	+	0.040 *	3.500	0.753
		2		
				12.439

Net Area = 9.548 m2

Core

Deduction

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003			
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687			

19.489 m2 11.233

Net Area = 8.257 m2

C.S at Ch.270.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193			

7.803 m2 6.003

Net Area = 1.800 m2

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145	$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753

21.987 m2 12.439

Net Area = 9.548 m2

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003			
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687			

19.489 m2 11.233

Net Area = 8.257 m2

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IRRIGATION DIVISION
MALAPPURAM

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 Parappanangadi

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(വള്ളിക്കുന്ന്)
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പുളിയക്കുറ്റ് ഹൗസ്
പി. ഒ. പട്ടിക്കാട്
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തീരുവനന്തപുരം

സ്ഥലം.....

05.08.2021

തീയതി.....

106/വള്ളിക്കുന്ന്/2021/tvm

എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ,
വൻകിട ജലസേചന വകുപ്പ്, മലപ്പുറം.

പ്രിയപ്പെട്ട ഇ.ഇ.

എന്റെ മണ്ഡലത്തിലെ തീരദേശ പഞ്ചായത്തായ വള്ളിക്കുന്ന് ഗ്രാമപഞ്ചായത്തിലെ ആനങ്ങാടി ബീച്ചിൽ പ്രകൃതിക്ഷോഭത്തിൽ കടലോര മേഖലയിൽ ആനങ്ങാടി മുതൽ ബാഫവി നഗർ വരെയുള്ള പല ഭാഗങ്ങളിലും കടൽ ഭിത്തി ഇല്ലാത്തതിനാലും നിലവിലുള്ള കടൽ ഭിത്തി തകരുന്നതിനാലും വ്യാപക നാശനഷ്ടങ്ങൾ ഉണ്ടായിട്ടുണ്ട്.

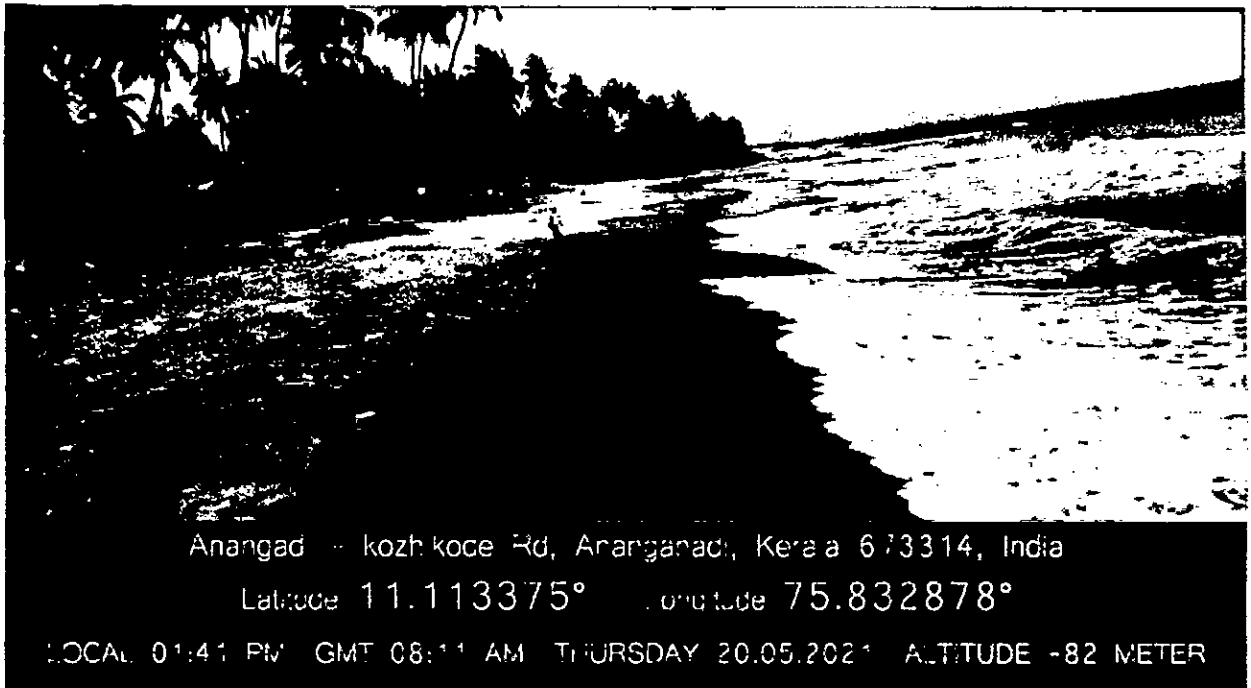
ഇതുസംബന്ധിച്ച് 15.06.2021 ന് ബഹുമാനപ്പെട്ട ഫിഷറീസ് വകുപ്പും സാംസ്കാരിക വകുപ്പ് മന്ത്രി ശ്രീ.സജി ചെറിയാൻ സ്ഥലം സന്ദർശിക്കുകയും ജില്ലാ കലക്ടറുടെയും സാന്നിധ്യത്തിൽ ജില്ലാ വൻകിട ജലസേചന വിഭാഗം എക്സിക്യൂട്ടീവ് എഞ്ചിനീയറോട് അടിയന്തരമായി ഈ വിഷയം പരിഹരിക്കുന്നതിന് എസ്റ്റിമേറ്റ് തയ്യാറാക്കി അംഗീകാരത്തിന് സമർപ്പിക്കാൻ വാക്കാൽ നിർദ്ദേശിച്ചതാണ്.

ആയതിനാൽ അടിയന്തരമായി ആനങ്ങാടി ബീച്ചിലെ കടൽ ഭിത്തിയില്ലാത്ത ഭാഗങ്ങളിൽ ഭിത്തി നിർമ്മിക്കുന്നതിനും നാശോന്മുഖമായ കടൽഭിത്തി പുനഃസ്ഥാപിക്കുന്നതിന് ആവശ്യമായ ഡിപിആർ തയ്യാറാക്കി ഭരണാനുമതി ക്ക് സമർപ്പിക്കണമെന്ന് താല്പര്യപ്പെടുന്നു.

സന്തോഷം,

അബ്ദുൽ ഹമീദ് .പി

ASE work- Reformation of the damaged seawall for a length of 270 m from CЕСP 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



[Signature]
EXECUTIVE ENGINEER
IRRIGATION DIVISION
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Assistant Executive Engineer
Irrigation Sub Division
Parappanangadi

[Signature]
ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

No.W5/35242/2021/FS/DB1

Office of the Chief Engineer
Irrigation & Administration
Thiruvananthapuram
Dated: 11.03.2022.

From

The Chief Engineer

To

Additional Chief Secretary to Government
Water Resources (IR) Department
Thiruvananthapuram.

Sir,

Sub: - ASE work- Reformation of the damaged seawall for a length of 270 m
from CESC 1736 towards South at Anangadi Beach in Vallikunnu
Panchayath of Malappuram district-- reg:-

Ref:- 1) Letter No. D2 – 442/2022 dated 29.01.2022 of the
Superintending Engineer, Irrigation North Circle, Kozhikkode.

2) Petition received from Hon'ble Vallikkunnu MLA Sri.Abdul Hameed P Dated
02/12/2021.

3) This Office Letter of even number dated 25/02/2022

Kind attention of Government is invited to the above reference cited. I am submitting herewith the Detailed Project Report of the subject work which was received from the Superintending Engineer, Irrigation North Circle, Kozhikkode for an amount of Rs.1,97,60,000 (Rupees one Crore Ninety Seven Lakhs and Sixty Thousand only). The nature and necessity of the work is explained in the accompanying estimate report. The estimate is prepared based on DSR 2018. The Hon'ble Vallikkunnu MLA Sri. Abdul Hameed P has also requested to take necessary measures for issuing Administrative Sanction for the subject work. Hence I request that necessary action may please be taken to accord Administrative Sanction under the Head of account 2711-02-103-99-00-00-V at the earliest. .

Encl:- Detailed Estimate – 1 No

Yours faithfully


Chief Engineer


Name of work : ASE work- Reformation of the damaged seawall for a length of 270 m from CЕСP 1736 towards
South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.

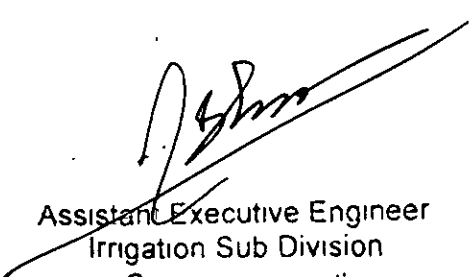
GENERAL DETAILS

1. Nature of work Deposit : Revenue (Non-Plan)
2. Financial Year : 2021-2022
3. Parliamentary Constituency : Malappuram
4. Assembly Constituency : VALLIKUNNU
5. Work Class : Maintenance Work
6. Cost Index Based on : Malappuram
7. Head of Account : 2711-02-103-99-00-00-V
8. Budget Volume/Part/ Page No/ Serial No. :/...../...../.....
9. Budget Provision
10. Asset No
11. Panchayath/Council Resolution No.
12. Proposed Duration to Complete this Work : 0 Years 8 Months 0 Days

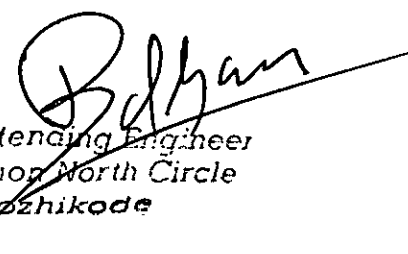
Irrigation

PRICE


EXECUTIVE ENGINEER
IRRIGATION DIVISION
MALAPPURAM


Assistant Executive Engineer
Irrigation Sub Division
Parappanangadi

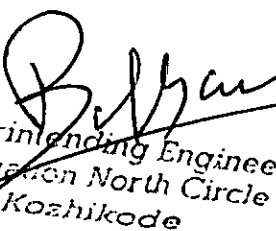

ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

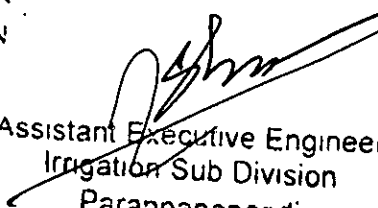

Superintending Engineer
Irrigation North Circle
Kozhikode

Name of work : ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikkunnu Panchayath of Malappuram district.

ESTIMATE REPORT

The coastal belt of Malappuram district had been severely affected by sea attack due to frequent cyclones during last few years. There is a 270 m long fishing gap at Anangadi beach between CESC 1736 and CESC 1734 in Vallikkunnu Panchayath in Malappuram district. It is known that the existing sea wall was constructed at this location almost 20 m away from nearby original sea wall alignment and the top level of the sea wall was lowered as per the demand from the fisher men for them to facilitate to embark fishing boats. Now this existing wall is totally damaged and completely sunken too. At the time of cyclones and heavy tides the sea gushing to this fishing gap and nearby houses are in severe threat. Emergency protection work is required in this area to save the life and land of the inhabitants. There had severe sea attack in connection with the "Touktae" cyclone occurred and trees were uprooted at this area during the mid-week of May 2021. The MLA concerned Sri. P. Abdul Hameed also requested to protect this area. Hence this estimate prepared. Now the existing lowered seawall has been sank more and covered with soil. So it is mandatory to reform the sea wall in to the original standard level after removing the soil and constructing sea wall as per the standard design. In this estimate, provisions included for earth work by mechanical means for removing the soil and levelling, Unified data for construction of Sea Wall as per Modified Design Suggested by CWPRS Pune - Providing filter of sea wall with woven fabric filter GWF-26-130 weight not less than 130gm/m² pore size (mm) less than 0.075 has proposed. Over the fabric filter 15 cm sand cushion has also proposed. It is also proposed to carry out supplying, stacking and dumping in position for a length of 270 m by using 40 % of 20 to 40 dm³ blasted granite stones & 60 % of 45 dm³ blasted granite stone for the core of wall and 200dm³ stones for armour stones as per approved design including supply of stones, loading from quarry to tipper and conveying to site, unloading and stacking as per the direction of the departmental officers at site for measurement, dumping in position at site to lines and levels for forming the section as per the approved design with the help of machinery including hire and operational charges of the all tools and plants, wages of drivers and all sundry expenses providing track for movement of vehicles etc. Levelling of the site is also included in the estimate to get proper bedding for stone. Estimate is prepared as per DSR 2018 with cost index of 36.44% for Malappuram. The estimate amount comes to Rs. 197.60 Lakh (including GST component @ 12 %.


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IRRIGATION DIVISION
MALAPPURAM
 Superintending Engineer
 Irrigation North Circle
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 Assistant Executive Engineer
 Irrigation Sub Division
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ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

General Abstract

ASE work- Reformation of the damaged seawall for a length of 270 m from CЕССР 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.

(Cost Index Applied for this estimate is 36.44%)

SI No	Heading Description	Amount
1	Sea wall Refomation	17138336.76
2	LS for unforeseen items if any	500000.00
Total Amount		17638337.00
Provision for GST payments (in %) @		12.0%
Amount reserved for GST payments		2116600.44
Total		19754937.44
Lumpsum for round off		5062.56
TOTAL Rs		19760000.00
Rounded Total Rs		1,97,60,000
Rupees One Crore Ninety Seven Lakh Sixty Thousand Only		

(Cost Index Applied for this estimate is 36.44%)

Irrigation

PRICE

[Signature]
EXECUTIVE ENGINEER
IRRIGATION DIVISION
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PARAPPANANGADI

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Assistant Executive Engineer
Irrigation Sub Division
Parappanangadi

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Superintending Engineer
Irrigation North Circle
Kozhikode

Detailed Estimate

ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.

(Cost Index Applied for this estimate is 36.44%)

Sl No	Description	No	L	B	D	CF	Quantity	Remark	
1 Sea wall Refomation									
1	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil								
		1	270.000	15.500	0.750		3138.750		
		Total Quantity						3138.750 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						3138.750 cum	
		Say 3138.750 cum @ Rs 215.37 / cum						Rs 675992.59	
2	60.47 Unified data for construction of Sea Wall as per Modified Design Suggested by CWPRS Pune - Providing filter of sea wall with woven fabric filter GWF-26-130 weight not less than 130gm/m2 pore size(mm) less than 0.075 with and overlap of 30cm at all joints stitched together pulled up in to folds uniformly and sufficiently in both direction for avoiding over-extension of fibre of which it is composed and forming the toe to prevent scourage including conveyance and all leads and lifts etc. complete.								
		1	272.000	16.500			4488.000		
		Total Quantity						4488.000 sqm	
		Total Deducted Quantity						0.000 sqm	
		Net Total Quantity						4488.000 sqm	
		Say 4488.000 sqm @ Rs 91.75 / sqm						Rs 411774.00	
3	60.48 Unified Data for Construction of sea wall as per modified design suggested by CWPRS Pune- Providing sand cushion over geo fabric filter by depositing and spreading sea sand in suitable layers with all leads and lifts etc. complete as per the direction of the departmental officers at site.								
	For Sea Wall	1	272.000	16.500	0.150		673.200		
		Total Quantity						673.200 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						673.200 cum	
		Say 673.200 cum @ Rs 265.31 / cum						Rs 178606.69	

4	60.34.6 A.S.E Reformation work- Malappuram -Supplying at site of work,granite stones20 to40 dm3 in size , including stacking for measurement.	1	893.700				893.700	
		Total Quantity					893.700 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					893.700 cum	
		Say 893.700 cum @ Rs 1868.71 / cum					Rs 1670066.13	
5	60.36.6 A.S.E Reformation work-Malappuram-Supplying at site of work,granite stones 45 dm3 in size , including stacking for measurement.	1	1340.550				1340.550	
		Total Quantity					1340.550 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					1340.550 cum	
		Say 1340.550 cum @ Rs 1868.71 / cum					Rs 2505099.19	
6	60.44 Unified Data for A.S.E work - Conveyance of departmental granite stone 20 to 45 dm3 in size from stack at site and dumping in position (60% 45dm3,30% 30 to 40dm3 and 10% 20 to 30dm3 stones) to lines and levels to form the core of the sea wall as per approved design including all leads and lifts etc.complete as per the directions of the departmental Officers at site.	1	2234.250				2234.250	
		Total Quantity					2234.250 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					2234.250 cum	
		Say 2234.250 cum @ Rs 620.67 / cum					Rs 1386731.95	
7	60.40.6 A.S.E -Reformation work- Malappuram- Supplying at site of work granite rubble 200 dm3 in size as nearly cubical as possible the minimum dimension in any of the three perpendicular directions passing through the centre of gravity of each individual stone being not less than 45 cm including loading and unloading charges etc. and marking with distinguishing number on three faces with paint etc complete .	1	12378.000				12378.000	
		Total Quantity					12378.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					12378.000 each	
		Say 12378.000 each @ Rs 646.47 / each					Rs 8002005.66	

8	60.41	Dumping in position(not to be packed)granite rubble 200dm3 in size suitably to form the armour course of sea wall as per approved design(dumping with a lead upto 50m)using rail track or pneumatic type equipment with crane or winches or by any other method each trip to take 3 minutes and carry 3 stones(1.6 ton)						
		1	10312.000				10312.000	
Total Quantity							10312.000 each	
Total Deducted Quantity							0.000 each	
Net Total Quantity							10312.000 each	
Say 10312.000 each @ Rs 172.87 / each							Rs 1782635.44	
9	60.42	Dumping in position(to be packed)granite rubble 200dm3 in size suitably to form the armour course of sea wall as per approved design(dumping with a lead upto 50m)using rail track or pneumatic type equipment with crane or winches or by any other method each trip to take 3 minutes and carry 3 stones(1.6 ton)						
		1	2066.000				2066.000	
Total Quantity							2066.000 no	
Total Deducted Quantity							0.000 no	
Net Total Quantity							2066.000 no	
Say 2066.000 no @ Rs 254.32 / no							Rs 525425.12	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<div style="display: flex; justify-content: space-between;"> 2 LS for unforeseen items if any PRICE </div>								
Lump-Sum Total							Rs 500000.00	
Total Amount							17638337.00	
Provision for GST payments (in %) @							12.0%	
Amount reserved for GST payments							2116600.44	
Total							19754937.44	
Lumpsum for round off							5062.56	
TOTAL Rs							19760000.00	
Rounded Total Rs							1,97,60,000	
Rupees One Crore Ninety Seven Lakh Sixty Thousand Only								

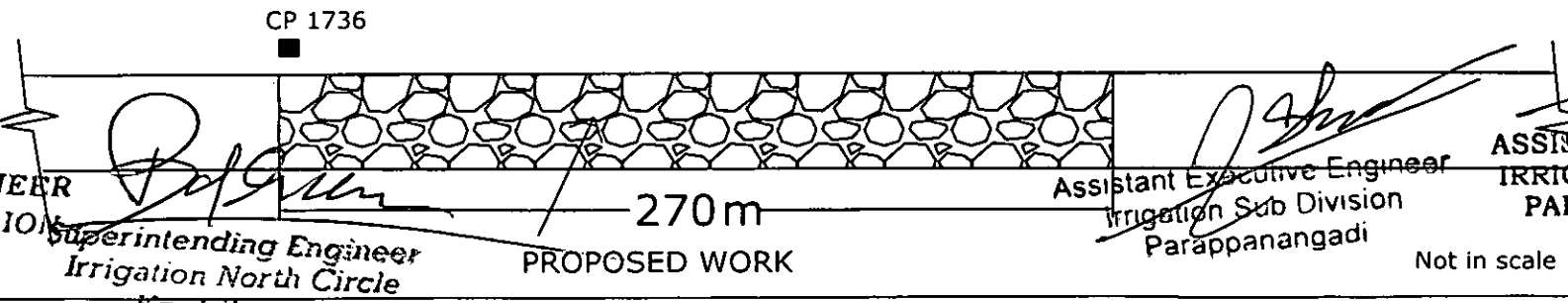
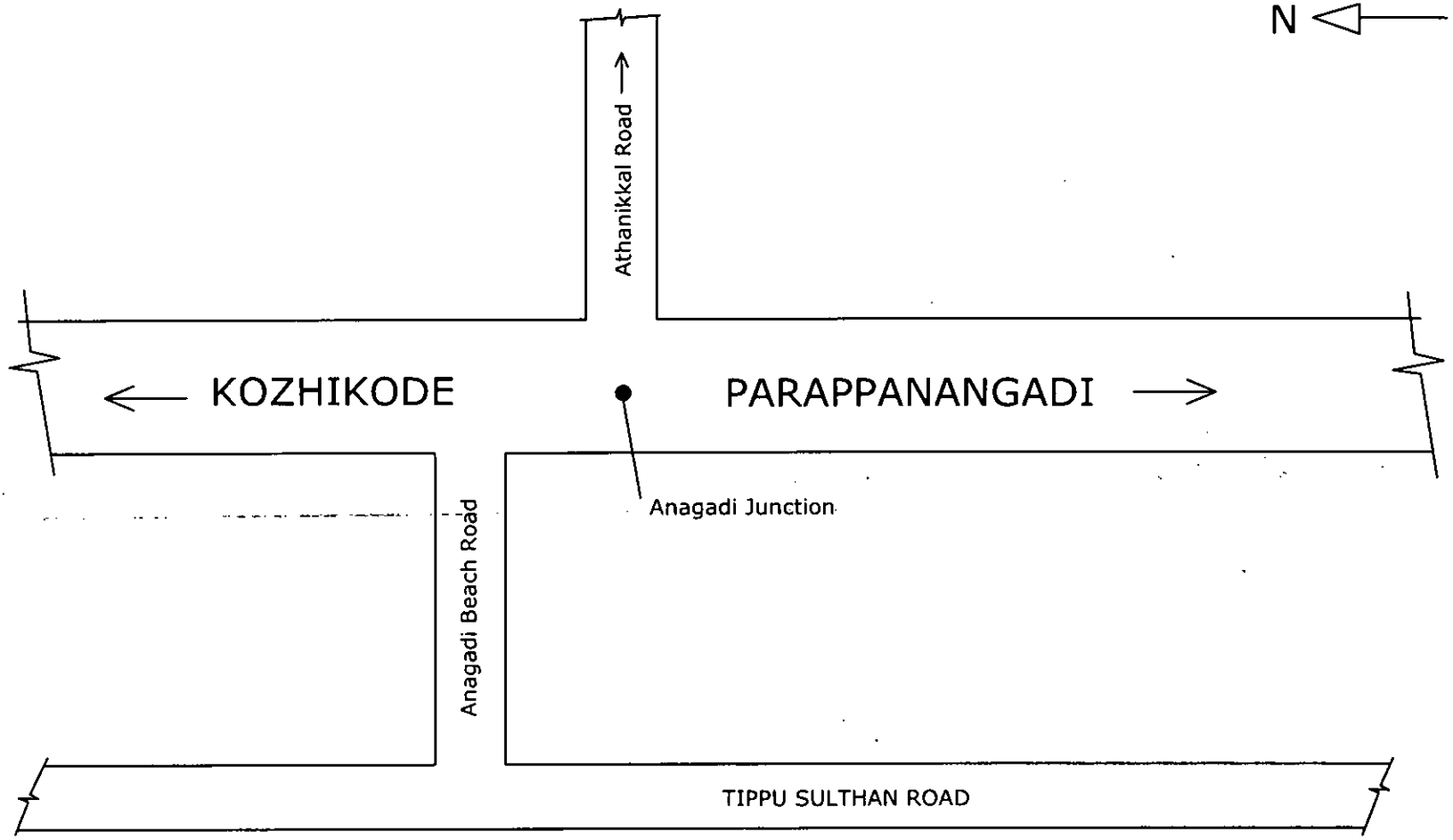
(Cost Index Applied for this estimate is 36.44%)

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EXECUTIVE ENGINEER
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ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



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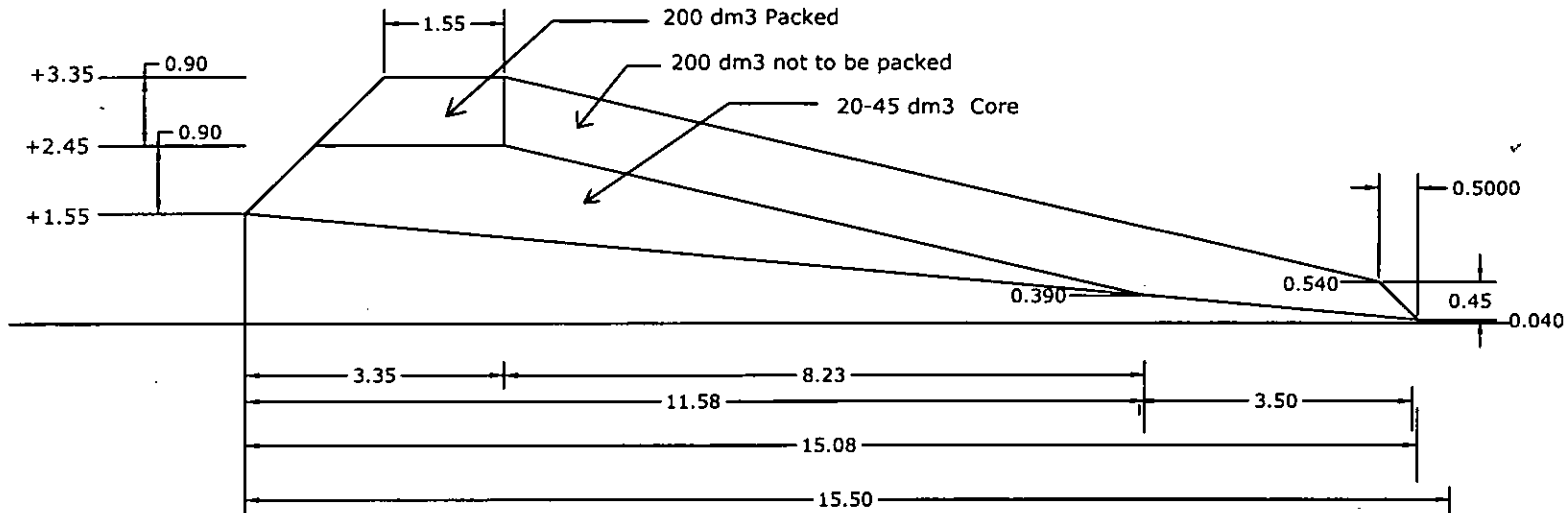
270 m
PROPOSED WORK

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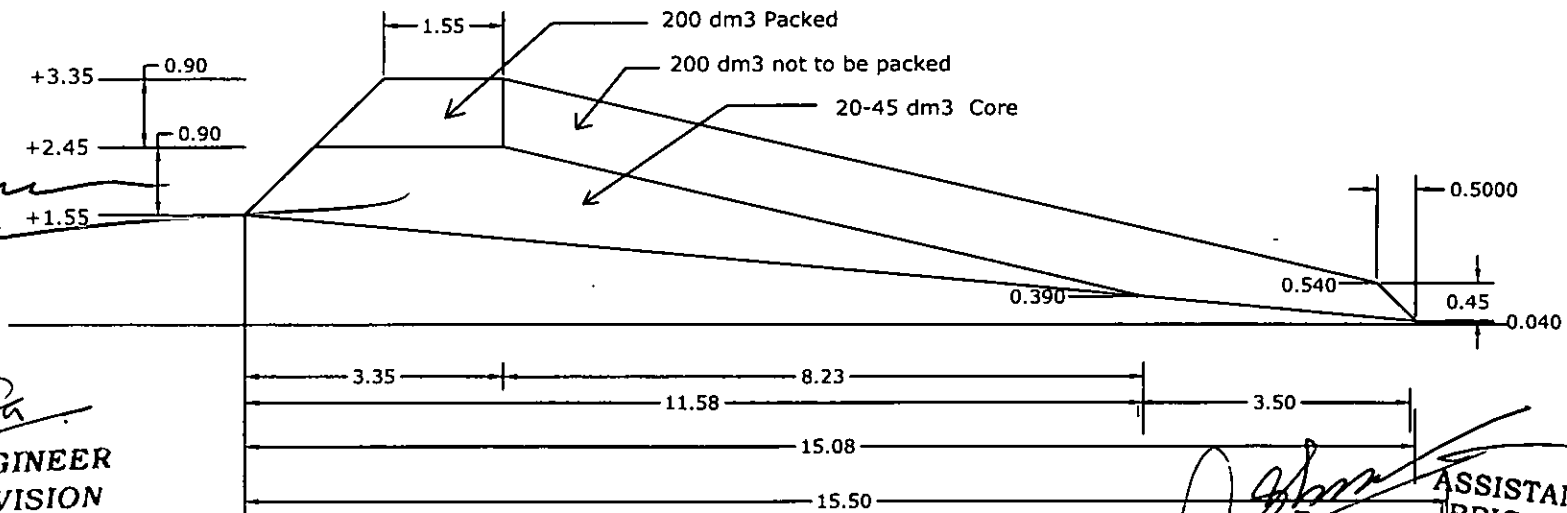
[Signature]
ASSISTANT ENGINEER
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PARAPPANANGADI

Not in scale

ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



Cross Section at 0.00m



Cross Section at 30.00m

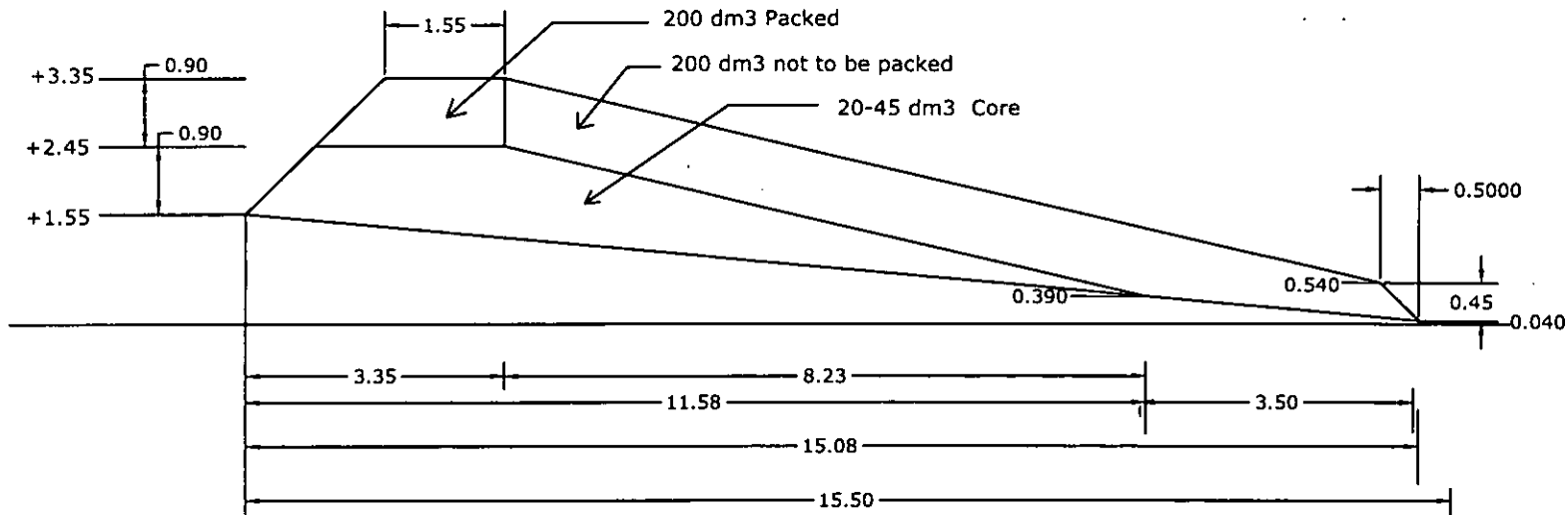
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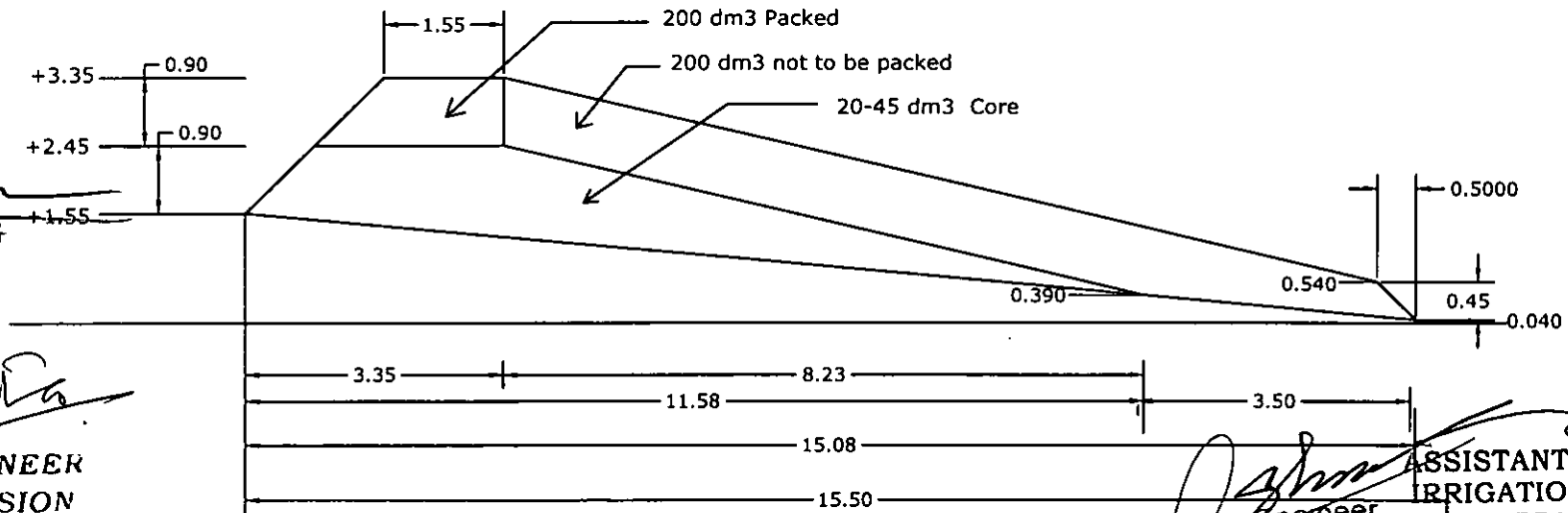
[Signature]
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 Parappanangadi

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ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



Cross Section at 60.00m



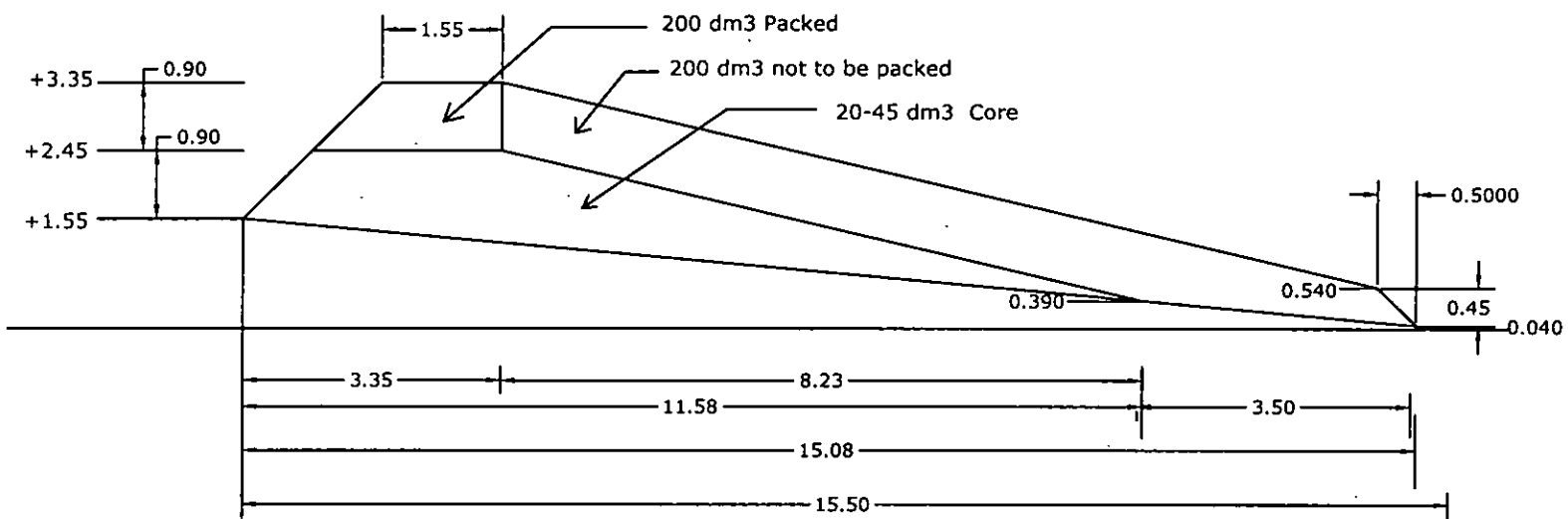
Cross Section at 90.00m

[Signature]
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 Kozhikode

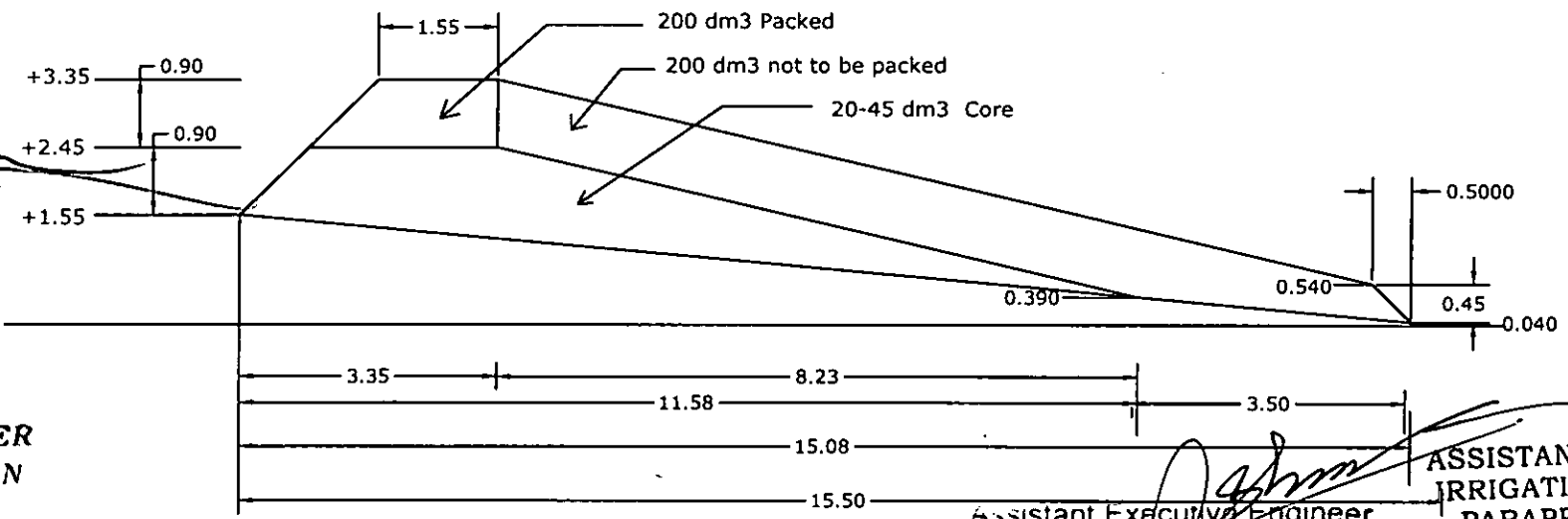
[Signature]
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 MALAPPURAM

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 ASSISTANT ENGINEER
 IRRIGATION SECTION
 PARAPPANANGADI

Work Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



Cross Section at 120.00m



Cross Section at 150.00m

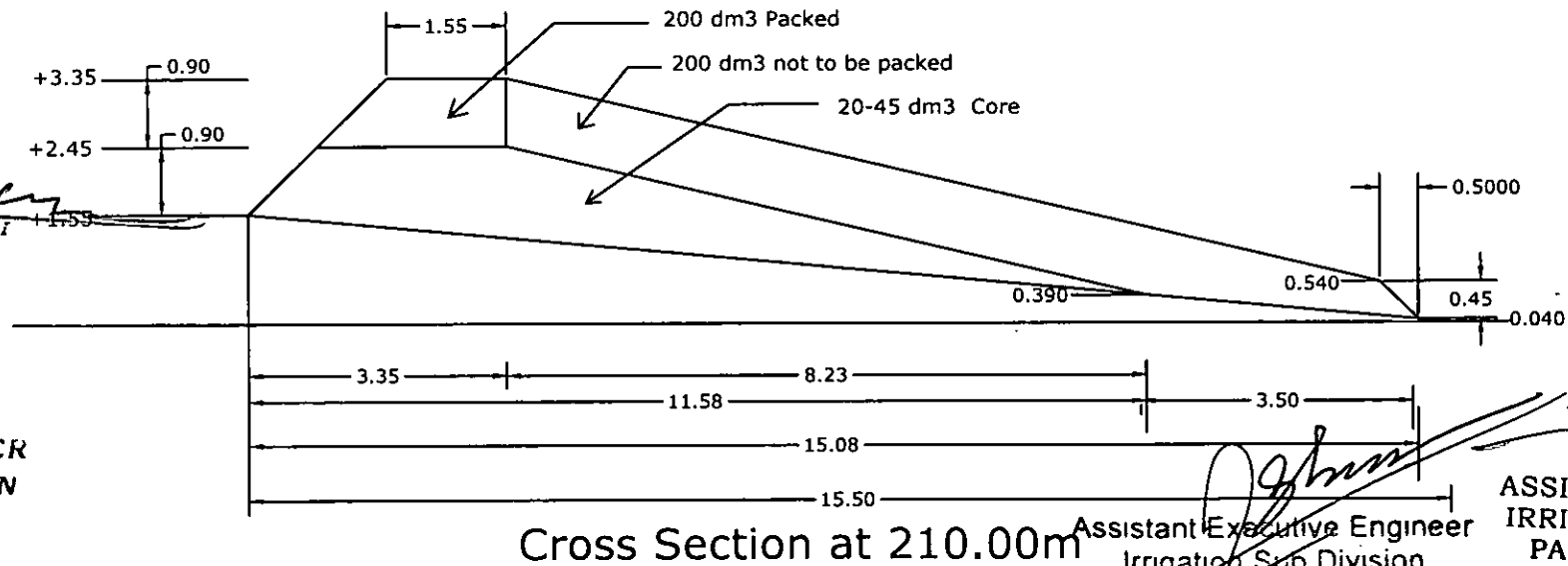
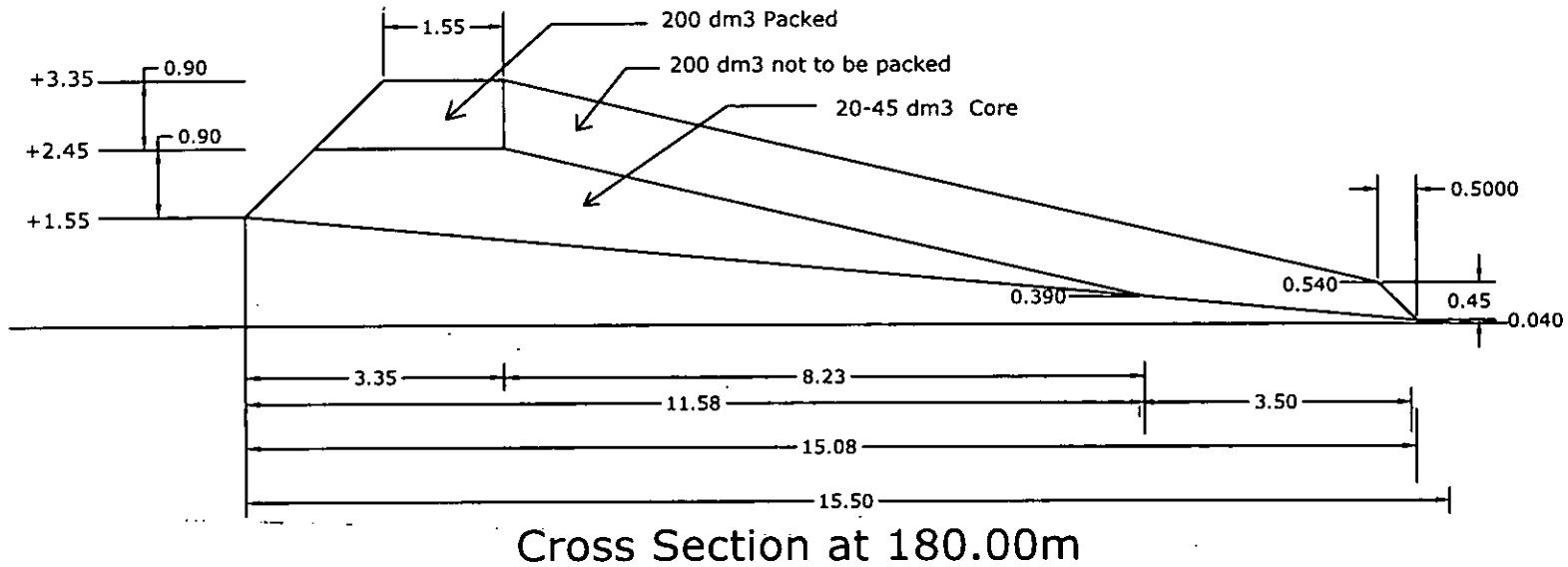
Balban
 Superintending Engineer
 Irrigation North Circle
 Kozhikode

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 EXECUTIVE ENGINEER
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ASE work- Reformation of the damaged seawall for a length of 270 m from CESC 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



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**ASE work- Reformation of the damaged seawall for a length of 270 m from CESC
1736 towards South at Anagadi Beach in Vallikunnu Panchayath of Malappuram
district.**

Quantity Calculation

200dm3 to be packed

Sl No.	Chainage in M	Distance in M	Area-M2	Mean Area-M2	Qty-M3
1	0	0	1.800		
2	30	30	1.800	1.800	54.000
3	60	30	1.800	1.800	54.000
4	90	30	1.800	1.800	54.000
5	120	30	1.800	1.800	54.000
6	150	30	1.800	1.800	54.000
7	180	30	1.800	1.800	54.000
8	210	30	1.800	1.800	54.000
9	240	30	1.800	1.800	54.000
10	270	30	1.800	1.800	54.000
total					486.000

Quantity Calculation

200dm3 not to be packed

Sl No.	Chainage in M	Distance in M	Area-M2	Mean Area-M2	Qty-M3
1	0	0	9.548		
2	30	30	9.548	9.548	286.440
3	60	30	9.548	9.548	286.440
4	90	30	9.548	9.548	286.440
5	120	30	9.548	9.548	286.440
6	150	30	9.548	9.548	286.440
7	180	30	9.548	9.548	286.440
8	210	30	9.548	9.548	286.440
9	240	30	9.548	9.548	286.440
10	270	30	9.548	9.548	286.440
total					2577.960

Quantity Calculation

Core

Sl No.	Chainage in M	Distance in M	Area-M2	Mean Area-M2	Qty-M3
1	0	0	8.275		
2	30	30	8.275	8.275	248.250
3	60	30	8.275	8.275	248.250
4	90	30	8.275	8.275	248.250
5	120	30	8.275	8.275	248.250
6	150	30	8.275	8.275	248.250
7	180	30	8.275	8.275	248.250
8	210	30	8.275	8.275	248.250
9	240	30	8.275	8.275	248.250
10	270	30	8.275	8.275	248.250
total					2234.250

Quantity of 200dm3 stones to be packed					198.00	m3
ic,	486.00	0.85	5		2065.5	
				say	2066	

Quantity of 200dm3 not to be packed					1050.28	m3
ic,	2577.960	0.80	5		10311.84	
				say	10312	

Quantity of 20 to 40 dm3 stones	2234.250	0.4			893.700	m3
Quantity of 45dm3 stones	2234.250	0.6			1340.550	m3

Superintending Engineer
Irrigation North Circle
Kozhikode

EXECUTIVE ENGINEER
IRRIGATION DIVISION
MALAPPURAM

Assistant Executive Engineer
Irrigation Sub Division
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ASSISTANT ENGINEER
IRRIGATION SECTION
PARAPPANANGADI

**ASE work- Reformation of the damaged seawall for a length of 270 m from
CESCP 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of
Malappuram district.**

Area Calculation

C.S at Ch.0.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	<u>Deduction</u>	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193				
		7.803 m2				6.003 m2
Net Area =		<u>1.800 m2</u>				

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	<u>Deduction</u>	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145		$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		21.987 m2				12.439 M2
Net Area =		<u>9.548 m2</u>				

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	<u>Deduction</u>	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003				
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687				
		19.489 m2				11.233 M2
Net Area =		<u>8.257 m2</u>				

C.S at Ch.30.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	<u>Deduction</u>	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193				
		7.803 m2				6.003 m2
Net Area =		<u>1.800 m2</u>				

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	<u>Deduction</u>	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145		$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		21.987 m2				12.439 M2

Net Area = 9.548 m2

Core

1.550	+	2.450 *	0.900	1.800
		2		
2.450	+	2.450 *	2.450	6.003
		2		
2.450	+	0.390 *	8.230	11.687
		2		
				19.489 m2

Net Area = 8.257 m2

C.S at Ch.60.00

200dm3 to be packed

2.450	+	3.350 *	0.900	2.610
		2		
3.350	+	3.350 *	1.550	5.193
		2		
				7.803 m2

Net Area = 1.800 m2

200 dm3 not to be packed

3.350	+	0.540 *	11.230	21.842
		2		
0.540	+	0.040 *	0.500	0.145
		2		
				21.987 m2

Net Area = 9.548 m2

Core

1.550	+	2.450 *	0.900	1.800
		2		
2.450	+	2.450 *	2.450	6.003
		2		
2.450	+	0.390 *	8.230	11.687
		2		
				19.489 m2

Net Area = 8.257 m2

C.S at Ch.90.00

200dm3 to be packed

2.450	+	3.350 *	0.900	2.610
		2		
3.350	+	3.350 *	1.550	5.193
		2		
				7.803 m2

Net Area = 1.800 m2

Deduction

1.550	+	0.390 *	11.580	11.233
		2		

11.233 M2

Deduction

2.450	+	2.450 *	2.450	6.003
		2		

6.003 m2

Deduction

2.450	+	0.390 *	8.230	11.687
		2		
0.390	+	0.040 *	3.500	0.753
		2		

12.439 M2

Deduction

1.550	+	0.390 *	11.580	11.233
		2		

11.233 M2

Deduction

2.450	+	2.450 *	2.450	6.003
		2		

6.003 m2

200 dm3 not to be packed

<u>3.350</u>	+	<u>0.540 *</u>	11.230	21.842
2				
<u>0.540</u>	+	<u>0.040 *</u>	0.500	0.145
2				

21.987 m2

Net Area = **9.548 m2**

Core

<u>1.550</u>	+	<u>2.450 *</u>	0.900	1.800
2				
<u>2.450</u>	+	<u>2.450 *</u>	2.450	6.003
2				
<u>2.450</u>	+	<u>0.390 *</u>	8.230	11.687
2				

19.489 m2

Net Area = **8.257 m2**

C.S at Ch.120.00

200dm3 to be packed

<u>2.450</u>	+	<u>3.350 *</u>	0.900	2.610
2				
<u>3.350</u>	+	<u>3.350 *</u>	1.550	5.193
2				

7.803 m2

Net Area = **1.800 m2**

200 dm3 not to be packed

<u>3.350</u>	+	<u>0.540 *</u>	11.230	21.842
2				
<u>0.540</u>	+	<u>0.040 *</u>	0.500	0.145
2				

21.987 m2

Net Area = **9.548 m2**

Core

<u>1.550</u>	+	<u>2.450 *</u>	0.900	1.800
2				
<u>2.450</u>	+	<u>2.450 *</u>	2.450	6.003
2				
<u>2.450</u>	+	<u>0.390 *</u>	8.230	11.687
2				

19.489 m2

Net Area = **8.257 m2**

C.S at Ch.150.00

200dm3 to be packed

Deduction

<u>2.450</u>	+	<u>0.390 *</u>	8.230	11.687
2				
<u>0.390</u>	+	<u>0.040 *</u>	3.500	0.753
2				

12.439 M2

Deduction

<u>1.550</u>	+	<u>0.390 *</u>	11.580	11.233
2				

11.233 M2

Deduction

<u>2.450</u>	+	<u>2.450 *</u>	2.450	6.003
2				

6.003 m2

Deduction

<u>2.450</u>	+	<u>0.390 *</u>	8.230	11.687
2				
<u>0.390</u>	+	<u>0.040 *</u>	3.500	0.753
2				

12.439 M2

Deduction

<u>1.550</u>	+	<u>0.390 *</u>	11.580	11.233
2				

11.233 M2

Deduction

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193			
		7.803 m2			6.003
Net Area =		<u>1.800 m2</u>			

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145	$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		21.987 m2			12.439
Net Area =		<u>9.548 m2</u>			

Deduction

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003			
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687			
		19.489 m2			11.233
Net Area =		<u>8.257 m2</u>			

Deduction

C.S at Ch.180.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193			
		7.803 m2			6.003
Net Area =		<u>1.800 m2</u>			

Deduction

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145	$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		21.987 m2			12.439
Net Area =		<u>9.548 m2</u>			

Deduction

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003			
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687			
		19.489 m2			11.233

Deduction

Net Area = 8.257 m2

C.S at Ch.210.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193
		7.803 m2

Deduction

$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
		6.003

Net Area = 1.800 m2

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145
		21.987 m2

Deduction

$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		12.439

Net Area = 9.548 m2

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
		19.489 m2

Deduction

$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
		11.233

Net Area = 8.257 m2

C.S at Ch.240.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193
		7.803 m2

Deduction

$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
		6.003

Net Area = 1.800 m2

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145
		21.987 m2

Deduction

$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753
		12.439

Net Area = 9.548 m2

Core

Deduction

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003			
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687			

19.489 m2 11.233

Net Area = 8.257 m2

C.S at Ch.270.00

200dm3 to be packed

$\frac{2.450}{2} + \frac{3.350}{2} *$	0.900	2.610	$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003
$\frac{3.350}{2} + \frac{3.350}{2} *$	1.550	5.193			

7.803 m2 6.003

Net Area = 1.800 m2

200 dm3 not to be packed

$\frac{3.350}{2} + \frac{0.540}{2} *$	11.230	21.842	$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687
$\frac{0.540}{2} + \frac{0.040}{2} *$	0.500	0.145	$\frac{0.390}{2} + \frac{0.040}{2} *$	3.500	0.753

21.987 m2 12.439

Net Area = 9.548 m2

Core

$\frac{1.550}{2} + \frac{2.450}{2} *$	0.900	1.800	$\frac{1.550}{2} + \frac{0.390}{2} *$	11.580	11.233
$\frac{2.450}{2} + \frac{2.450}{2} *$	2.450	6.003			
$\frac{2.450}{2} + \frac{0.390}{2} *$	8.230	11.687			

19.489 m2 11.233

Net Area = 8.257 m2

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(വള്ളിക്കുന്ന്)
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പുളിയക്കുറ്റ് ഹൗസ്
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സ്ഥലം.....
05.08.2021
തീയതി.....

106/വള്ളിക്കുന്ന്/2021/tvm

എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ,
വൻകിട ജലസേചന വകുപ്പ്, മലപ്പുറം.

പ്രിയപ്പെട്ട ഇ.ഇ.

എന്റെ മണ്ഡലത്തിലെ തീരദേശ പഞ്ചായത്തായ വള്ളിക്കുന്ന് ഗ്രാമപഞ്ചായത്തിലെ ആനങ്ങാടി ബീച്ചിൽ പ്രകൃതിക്ഷോഭത്തിൽ കടലോര മേഖലയിൽ ആനങ്ങാടി മുതൽ ബാഫവി നഗർ വരെയുള്ള പല ഭാഗങ്ങളിലും കടൽ ഭിത്തി ഇല്ലാത്തതിനാലും നിലവിലുള്ള കടൽ ഭിത്തി തകരുന്നതിനാലും വ്യാപക നാശനഷ്ടങ്ങൾ ഉണ്ടായിട്ടുണ്ട്.

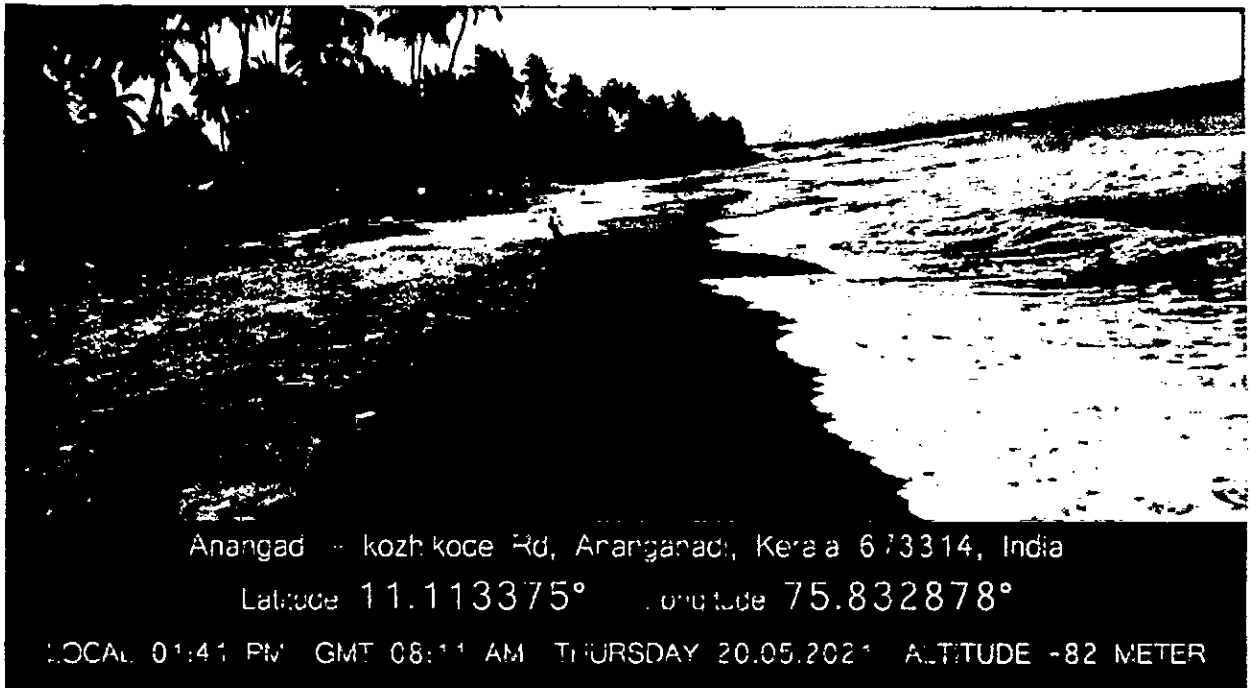
ഇതുസംബന്ധിച്ച് 15.06.2021 ന് ബഹുമാനപ്പെട്ട ഫിഷറീസ് വകുപ്പും സാംസ്കാരിക വകുപ്പ് മന്ത്രി ശ്രീ.സജി ചെറിയാൻ സ്ഥലം സന്ദർശിക്കുകയും ജില്ലാ കലക്ടറുടെയും സാന്നിധ്യത്തിൽ ജില്ലാ വൻകിട ജലസേചന വിഭാഗം എക്സിക്യൂട്ടീവ് എഞ്ചിനീയറോട് അടിയന്തരമായി ഈ വിഷയം പരിഹരിക്കുന്നതിന് എസ്റ്റിമേറ്റ് തയ്യാറാക്കി അംഗീകാരത്തിന് സമർപ്പിക്കാൻ വാക്കാൽ നിർദ്ദേശിച്ചതാണ്.

ആയതിനാൽ അടിയന്തരമായി ആനങ്ങാടി ബീച്ചിലെ കടൽ ഭിത്തിയില്ലാത്ത ഭാഗങ്ങളിൽ ഭിത്തി നിർമ്മിക്കുന്നതിനും നാശോന്മുഖമായ കടൽഭിത്തി പുനഃസ്ഥാപിക്കുന്നതിന് ആവശ്യമായ ഡിപിആർ തയ്യാറാക്കി ഭരണാനുമതി ക്ക് സമർപ്പിക്കണമെന്ന് താല്പര്യപ്പെടുന്നു.

സന്തോഷം,

അബ്ദുൽ ഹമീദ് .പി

ASE work- Reformation of the damaged seawall for a length of 270 m from CЕСP 1736 towards South at Anangadi Beach in Vallikunnu Panchayath of Malappuram district.



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