

കേരളം കേരल KERALA

KIIFB Agreement No. WRD008-02-01_AS_108734351 D 036500

dated 05.11.2022

AGREEMENT NO...356...../ KIIDC/2022-23 DATED 10.11.2022

CONTRACT AGREEMENT entered into on this 10th day of November. Two Thousand Twenty Two between M/s. **RAMALINGAM CONSTRUCTION COMPANY PVT LTD**, #175/2, SOUTH STATE BANK, NAGAR, CHETTIPALAYAM, ERODE, TAMILNADU – 638 002 for and on behalf of the Company (hereinafter called the Company) on the other part for the work “KIIFB KIIDC Project Construction of Groin Fields in The Severely Eroded Coastal Belt of Alappuzha District at Ottamassery, Kattoor - Pollethai, Kakkazham (Ambalappuzha) And Nellanickal (Vattachal)” by the former as per accompanying agreement, accepted tender with conditions of contract, plans, accepted schedule with specifications approved by Chief Engineer, M/s Kerala Irrigation Infrastructure Development Corporation Ltd., PARVATHY, T.C. 84/3 (Old 36/1), NH66 Service Road, Enjakkal Jn., Chakai P.O., Thiruvananthapuram – 695 024., which form part of this agreement.



Clearance

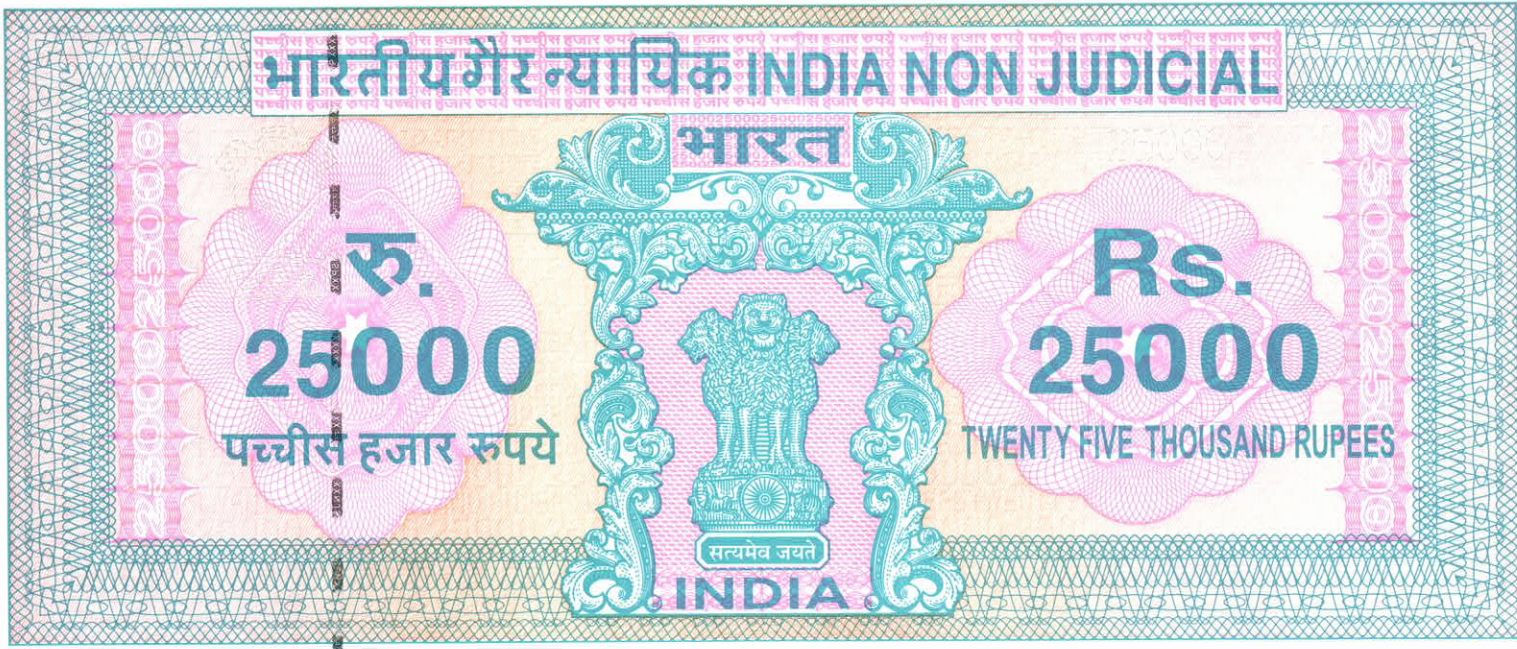
Chief Engineer
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

N. BALAKRISHNAN SAIR
Vendor, Vanchiyoor
Thiruvananthapuram

do 50535
22/10/2022
Ramalingam construction Co Ltd
Erode 638002

22 OCT 2022





കേരളം കേരल KERALA

Signed and delivered by the above mentioned M/s. RAMALINGAM

D 036499

CONSTRUCTION COMPANY PVT LTD , #175/2, SOUTH STATE BANK,
NAGAR, CHETTIPALAYAM, ERODE, TAMILNADU - 638 002.

Received:
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024



In the presence of:-

1. P.V. Srinidharan [Signature] #396, Ambalappuzha, Alappuzha
2. Anay Samuel [Signature]
KIIDC

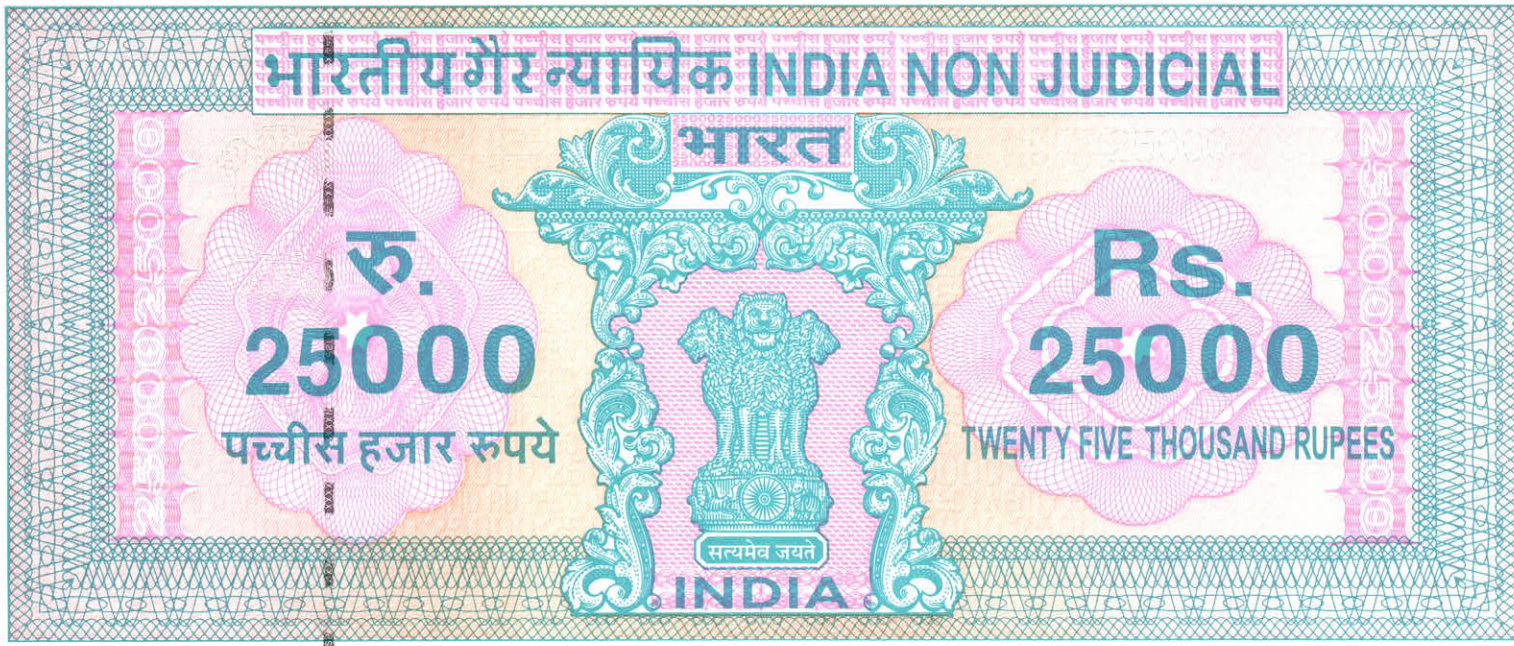


N. BALAKRISHNAN NAIR
Vendor, Vanchiyoor
Thiruvananthapuram

No. 50534
29/10/2022
Ramalingam Construction Co. Ltd.
Erode (2500)

22 OCT 2022





കേരളം കേരल KERALA

D 036498

D 036498

Signed and delivered by Chief Engineer, Kerala Irrigation Infrastructure Development Corporation Limited, PARVATHY, T.C. 84/3 (Old 36/1), NH66 Service Road, Enjakkal Jn, Chakai P O, Thiruvananthapuram – 695024, for and on behalf of the Company.

Allexand
Chief Engineer,
Kerala Irrigation Infrastructure Development Corporation Ltd.
Thiruvananthapuram - 695024

Chief Engineer,
Kerala Irrigation Infrastructure Development Corporation Limited
(for and on behalf of the Company)

In the presence of:-

1.

2.



N. BALAKRISHNAN NAIR
Vendor, Vanchiyoor
Thiruvananthapuram

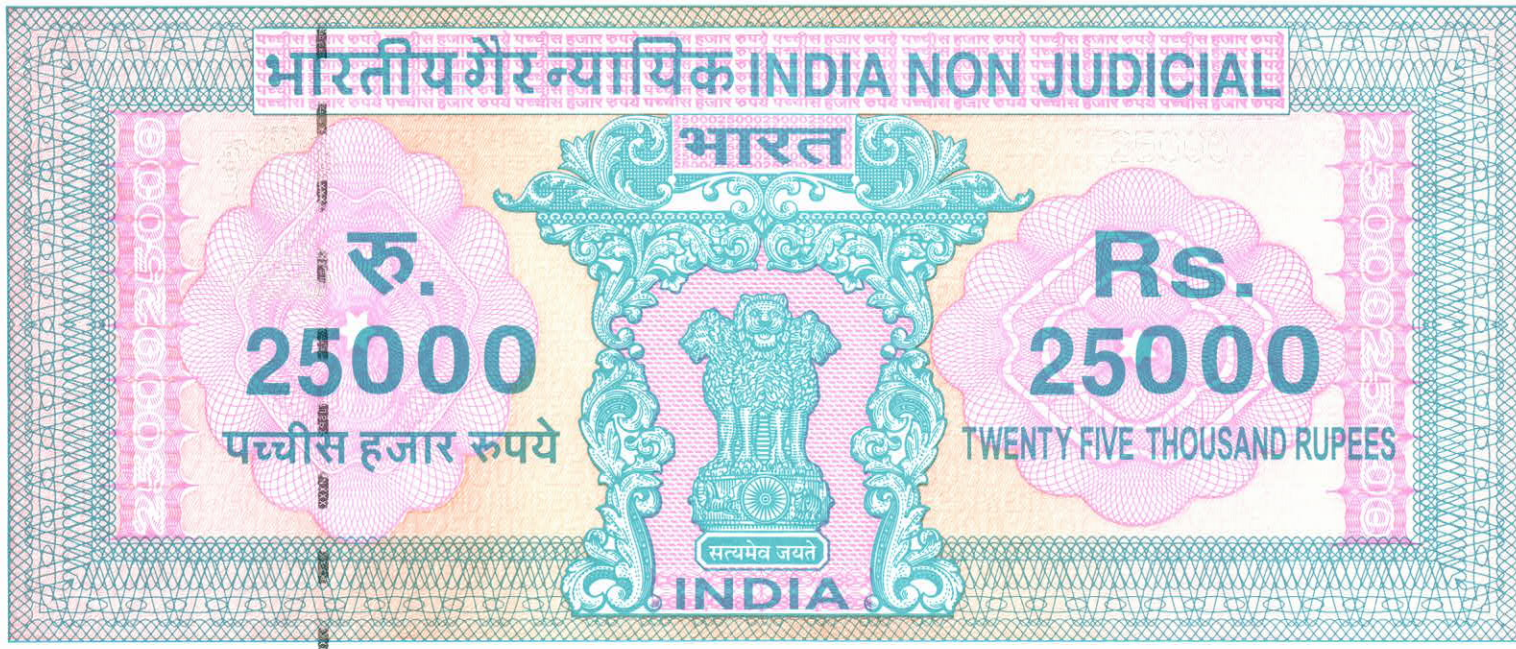
dr. 50533

29/10/2022

Perms/Ingen/Construction: CA/Ally
K. N. N. 25000

22 OCT 2022





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MEMORANDUM OF WORK TENDERED

D 036497

Name of work	"KIIFB KIIDC Project Construction of Groin Fields in The Severely Eroded Coastal Belt of Alappuzha District at Ottamassery, Kattoor - Pollethai, Kakkazham (Ambalappuzha) And Nellanickal (Vattachal)"
Estimate P.A.C	Rs. 60,62,37,187.00
Contract P.A.C	Rs. 61,91,56,660.44
Date of starting	The work should be started within 10 days after executing agreement



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Chief Engineer
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

N. BALAKRISHNAN NAIR
Vendor, Vanchiyoor
Thiruvananthapuram

No: 50532

29/10/22
Ramalingam Construction Co. CH/CH
Estimate 25000

22 OCT 2022



Date of completion	15 months from the date of handing over the site
Performance Guarantee	Treasury FD for an amount of Rs. 1,85,74,700/- JL 1698913 dated 29.10.2022 for 76 months.



Reeanceh.
Chief Engineer
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024



KERALA IRRIGATION INFRASTRUCTURE
DEVELOPMENT CORPORATION LIMITED
(A Government of Kerala Undertaking)
T.C. 84/3 (Old 36/1)
NH66 Bypass Service Road,
Near Easchakkal Jn., Chackal P.O.,
Thiruvananthapuram 695024
CIN: U45203KL2000SGC014127
Mob: 9495009870, 0471 2506815
E: idetvm@gmail.com, kiidc wrd@kerala.gov.in
Web: www.kiidc.kerala.gov.in

Date: 13.10.2022

KIIDC/266/2021-PE15

From

The Managing Director,

To

RAMALINGAM CONSTRUCTION COMPANY PVT LTD
#175/2, SOUTH STATE BANK,
NAGAR, CHETTIPALAYAM, ERODE,
TAMILNADU-638002

Sir,

Sub:- KIIFB KIIDC Project Construction Of Groin Fields In The Severely Eroded
Coastal Belt Of Alappuzha District At Ottamassery, Kattoor-Pollethai, Kakkazham
(Ambalappuzha) And Nellanickal(Vattachal)-Issue of Selection Notice-Reg.

Ref:-

1. G.O (Rt) No. 365/2021/WRD dated 13.07.2021
2. Order No. WRD008-02/APR-6/2022/KIIFB Dated:- 21.03.2022
3. Order No KIIDC/266/2021-PE15/ Dated 27.04.2022
4. Tender Reference Number:- KIIDC / Tender / 442/ 2022-23
5. Tender ID:- 2022_KIIDC_489869_1
6. G.O (P) No. 32/2022/FIN dated, Thiruvananthapuram 15.03.2022
7. G.O (P) No.161/2019/Fin Dated,Thiruvananthapuram 25.11.2019
8. KIIFB LOA No. WRD008-02-01_LOA_64491838 dated 29.09.2022

With reference to the above, you are here by informed that your tender for the above
work is accepted at your quoted amount i.e., **Rs. 61,91,56,660.44/-** (Rupees Sixty One
Crore Ninety One Lakh Fifty Six Thousand Six Hundred Sixty and Fort Four Paise Only).

You are directed to produce 3% of the contract value as Performance Guarantee i.e.,
Rs. 1,85,74,700/- (Rupees One Crore Eighty Five Lakh Seventy Four Thousand Seven



Chief Engineer
Seerana
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

Hundred Only) of which atleast Fifty percentage of this amount shall be in the form of Treasury Fixed deposit in the name of Agreement Authority (Managing Director ,KIIDC) for a period of **75 months and 28days** (15 months TOC+60 months Defect Liability Period+28 days)and the remaining fifty percentage in the form of bank guarantee for a period of **75 months and 28 days**(15 months TOC+60 months Defect Liability Period+28 days), in approved format.

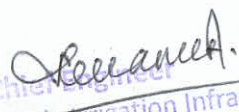
- 1) You are requested to attend this office with Government of Kerala Stamp Paper worth **Rs. 1,00,000/-** and the above deposit receipt and execute agreement for the contract.
- 2) The time allowed for executing agreement without fine is 28 days from the date of registration of Selection Notice in the post office and further time of 10 days shall be allowed to execute agreement by retaining a fine of Rs. 25,000/-. Tender will be rejected if agreement is not executed within 38 days and the work will be awarded to the new lowest tenderer as stipulated in the PWD code.
- 3) The work should be started within 10 days after executing agreement and after getting necessary instructions from the Managing Director, KIIDC.
- 4) It must be understood that rates once fixed will not be increased on any account.
- 5) Any failure in complying with the above directions will be liable to forfeiture of your special and permanent security deposit and the work will be rearranged at your risk and cost as contemplated in the notice inviting tenders.
- 6) The work should be completed in all respect within **15 months** from the date of handing over the site, failing which arrangements will be made to complete the work at your risk and cost.
- 7) GST will be reimbursed to the contractor on production of GST invoice, as per prevailing rules and at the prevailing rates
- 8) All other terms and conditions of the notice inviting tenders and tender shall be binding on the contractor.
- 9) You are also requested to submit the programme schedule; work break down structure (WBS) with payment mile stones.

Thanking you,

Yours faithfully

for 
Managing Director




Chief Engineer
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: KERALA IRRIGATION INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

Work Name : CONSTRUCTION OF GROUYNE FIELDS IN THE SEVERELY ERODED COASTAL BELT OF ALAPPUZHA DISTRICT AT OTTAMASERRY ,KATTOOR-POLLETHAI,KAKKAZHAM(AMBALAPPUZHA)ANDNELLANICKAL(VATTACHAL)

Contract No: KIIDC/Tender/442/2022-23

Bidder Name :		RAMALINGAM CONSTRUCTION COMPANY PRIVATE LIMITED					
PRICE SCHEDULE							
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)							
NUMBER	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER #	TEXT #
SI. No.	Item Description	Quantity	Units	Estimated Rate	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT In Words
1	2	4	5	6	13	53	55
1	Appendix A-CONSTRUCTION OF GROIN FIELDS IN KAKKAZHAM - VALANJAVAZHY IN AMBALAPPUZHA CONSTITUENCY FRO						
1.01	od39979/2022_2023 : Dismantling stones in the sea wall to construct the Groyne portion and Dumping in position 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	857.1690	cum		799.0000	684878.03	INR Six Lakh Eighty Four Thousand Eight Hundred & Seventy Eight and Paise Three Only
1.02	od39983/2022_2023 : Earth work in excavation by mechanical means (Hydraulic excavator)/manual means /with Dozer including cutting and pushing the earth to site of embankment upto a distance of 100 metres (average lead 50 metres), including trimming
bottom and side slopes in accordance with requirements of lines, grades and cross
sections.
All kinds of soil
All kinds of soil	6314.1870	cum		150.0000	947128.05	INR Nine Lakh Forty Seven Thousand One Hundred & Twenty Eight and Paise Five Only



Seevaneetha
 Chief Engineer
 Kerala Irrigation Infrastructure
 Development Corporation Ltd.
 Thiruvananthapuram - 695024

1.03	od39986/2022_2023 : Groins works- Ambalappuzha - Supplying and laying Filter layer 30cm thick at site of work using 1 kg to 10 kg blasted granite stones as per approved design including supply of stones , loading from quarry , conveying to site in tipper , weighing on Departmental Weigh bridge established at site unloading , dumping at site to lines and levels , rehandling stones for forming the section with the help of tippers and suitable crane and packing of stones if necessary including hire and operational charges of all tools and plants and all sundry expenses , providing and maintaining the runway for movement of vehicles, crane using spalls gravel or sand etc. complete as per the direction of departmental officers at site.
(Specifications as per 60.59.3)	14662.1500	tonne		1225.0000	17961133.75	INR One Crore Seventy Nine Lakh Sixty One Thousand One Hundred & Thirty Three and Paise Seventy Five Only
1.04	od39989/2022_2023 : Groins works Ambalappuzha-Supplying and Laying core layer using 100 kg to 300kg blasted granite stones of specific gravity not less than 2.65 as per approved design , including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on departmental Weigh Bridge established at site unloading and dumping and packing in position at site to lines and levels to form the
core layer over the secondary layer already laid, with heavier stones on top layer, by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	30038.7100	tonne		1225.0000	36797419.75	INR Three Crore Sixty Seven Lakh Ninety Seven Thousand Four Hundred & Nineteen and Paise Seventy Five Only



Sumanth
 Chief Engineer
 Kerala Irrigation Infrastructure
 Development Corporation Ltd.
 Thiruvananthapuram - 695024

1.05	od39990/2022_2023 : Groin work Ambalappuzha - Supplying and Laying toe mound and under layer using 300 kg to 500kg blasted granite stones of specific gravity not less than 2.65 as per approved design, including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on Departmental weigh bridge established at site unloading and dumping and packing in position at site to lines
and levels to form the toe mound and under layer over the secondary layer already laid, with heavier stones on top layer,
by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	23012.7000	tonne		1225.0000	28190557.50	INR Two Crore Eighty One Lakh Ninety Thousand Five Hundred & Fifty Seven and Paise Fifty Only
1.06	od39992/2022_2023 : Moulding and supplying 0.8 cum(2T) tetrapod with graded aggregate of 40% 75mm to 40mm, 30% 40mm to 20mm and 30% 20mm to 6mm using 380kg cement/ m3 of concrete designed for M30 grade concrete (specific gravity of fine aggregate and coarse aggregate should not be less than 2.73 and 2.5 respectively) and the cement shall be 43 grade or higher) minimum cube strength requirement (i) @7 day - 20 N/mm2 (ii) @ 28 day - 30 N/mm2 and minimum density of concrete 2.5 g/cc including hire and operational charges of tools and plants, mould, curing, rehandling and stacking charges etc., complete as per the instruction of departmental officers at site .	11642.0000	each		7330.0000	85335860.00	INR Eight Crore Fifty Three Lakh Thirty Five Thousand Eight Hundred & Sixty Only
1.07	65.104 : Conveying 0.8cum (2T) tetrapod from stacking yard and placing in position in two layers according to specification and forming the armour layer of breakwater to lines and levels over the secondary armour layer including hire and operational charges of tools and plants etc., complete as per the direction of the departmental officers at site	11642.0000	each		850.0000	9895700.00	INR Ninety Eight Lakh Ninety Five Thousand Seven Hundred Only



Chief Engineer
Subramanian
 Kerala Irrigation and Infrastructure
 Development Corporation Ltd.
 Thiruvananthapuram - 695024

1.08	od39993/2022_2023 : Moulding and supplying cement concrete 2m3 (5T) tetrapod with graded aggregate of 40% 75mm to 40 mm, 30% 40 to 20mm, 30% 20 to 5mm using 380 kg cement /m3 of concrete designed for M30 grade concrete (specific gravity of fine aggregate and coarse aggregates should not be less than 2.73 and 2.5 respectively) and the cement shall be 43 grade or higher) minimum cube strength requirement (i) @ 7 day - 20N/mm2 (ii) @ 28 day - 30N/mm2 and minimum density of concrete 2.5 g/cc. including hire and operational charge of tools and plants moulding and rehandling and stacking charge etc complete according to specification and instructions of Engineer	4096.0000	each		18275.0000	74854400.00	INR Seven Crore Forty Eight Lakh Fifty Four Thousand Four Hundred Only
1.09	65.115 : Conveying 2 m3 (5T) tetrapods from stacking and placing in two layer according to specification and forming the armour layer of break water to lines and levels at depth of water 8m and above including hire and operational charges of tools and plants etc complete	4096.0000	each		1660.0000	6799360.00	INR Sixty Seven Lakh Ninety Nine Thousand Three Hundred & Sixty Only
1.1	od39994/2022_2023 : Supplying of Mechanically Bonded, Needle Punched Polypropylene Non-Woven geotextile Mat as filter/separation media below groin as per MoRTH 700 Type-I Geotextile suitable for harsh installation with elongation failure at 50%. The width of geotextile roll shall not be less than 4.5 m, at all locations with all leads and lifts, manpower and machinery, materials, labour etc. complete and as directed by Engineer - In - Charge.	28305.5100	sqm		95.0000	2689023.45	INR Twenty Six Lakh Eighty Nine Thousand & Twenty Three and Paise Forty Five Only
2	Appendix B- CONSTRUCTION OF GROIN FIELD BETWEEN ARACKAL POZHI AND VAZHAKOOTTAM POZHI FROM CH:121.63 T						
2.01	od39978/2022_2023 : Groin Work: Earth work in excavation by mechanical means (Hydraulic excavator)/manual means /with Dozer including cutting and pushing the earth to site of embankment upto a distance of 100 metres (average lead 50 metres), including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections.

All kinds of soil	60394.5020	cum		150.0000	9059175.30	INR Ninety Lakh Fifty Nine Thousand One Hundred & Seventy Five and Paise Thirty Only



Chief Engineer
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

2.02	od39982/2022_2023 : Groins works- Ottamassery and Kattoor- Supplying and laying Filter layer 30cm thick at site of work using 1 kg to 10 kg blasted granite stones as per approved design including supply of stones , loading from quarry , conveying to site in tipper , weighing on Weigh Bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software having latest facilities approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading , dumping at site to lines and levels , rehandling stones for forming the section with the help of tippers and suitable crane and packing of stones if necessary including hire and operational charges of all tools and plants and all sundry expenses , providing and maintaining the runway for movement of vehicles, crane using spalls gravel or sand etc. complete as per the direction of departmental officers at site.
(Specifications as per 60.59.3)	9018.0000	tonne		1225.0000	11047050.00	INR One Crore Ten Lakh Forty Seven Thousand &Fifty Only
2.03	od39985/2022_2023 : Groins works Ottamassery and Kattoor -Supplying and Laying core layer using 100 kg to 300kg blasted granite stones of specific gravity not less than 2.65 as per approved design , including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on Weigh Bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software with latest facilities approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading and dumping and packing in position at site to lines and levels to form the
core layer over the secondary layer already laid, with heavier stones on top layer, by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	17747.0000	tonne		1225.0000	21740075.00	INR Two Crore Seventeen Lakh Forty Thousand &Seventy Five Only

Chief Engineer
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Kanthapuram - 695024



2.04	od39987/2022_2023 : Groins-Kattoor/Ottamassery - Supplying and Laying toe mound and under layer using 300 kg to 500kg blasted granite stones of specific gravity not less than 2.65 as per approved design, including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on weigh bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software with latest facilities approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading and dumping and packing in position at site to lines and levels to form the toe mound and under layer over the secondary layer already laid, with heavier stones on top layer, by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	15364.0000	tonne		1225.0000	18820900.00	INR One Crore Eighty Eight Lakh Twenty Thousand Nine Hundred Only
2.05	od39992/2022_2023 : Moulding and supplying 0.8 cum(2T) tetrapod with graded aggregate of 40% 75mm to 40mm, 30% 40mm to 20mm and 30% 20mm to 6mm using 380kg cement/ m3 of concrete designed for M30 grade concrete (specific gravity of fine aggregate and coarse aggregate should not be less than 2.73 and 2.5 respectively) and the cement shall be 43 grade or higher) minimum cube strength requirement (i) @7 day - 20 N/mm2 (ii) @ 28 day - 30 N/mm2 and minimum density of concrete 2.5 g/cc including hire and operational charges of tools and plants, mould, curing, rehandling and stacking charges etc., complete as per the instruction of departmental officers at site .	12013.0000	each		7330.0000	88055290.00	INR Eight Crore Eighty Lakh Fifty Five Thousand Two Hundred & Ninety Only
2.06	65.104 : Conveying 0.8cum (2T) tetrapod from stacking yard and placing in position in two layers according to specification and forming the armour layer of breakwater to lines and levels over the secondary armour layer including hire and operational charges of tools and plants etc., complete as per the direction of the departmental officers at site	12013.0000	each		850.0000	10211050.00	INR One Crore Two Lakh Eleven Thousand & Fifty Only



Chief Engineer
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

2.07	od39994/2022_2023 : Supplying of Mechanically Bonded, Needle Punched Polypropylene Non-Woven geotextile Mat as filter/separation media below groin as per MoRTH 700 Type-I Geotextile suitable for harsh installation with elongation failure at 50%. The width of geotextile roll shall not be less than 4.5 m, at all locations with all leads and lifts, manpower and machinery, materials, labour etc. complete and as directed by Engineer - In - Charge.	16735.0000	sqm		95.0000	1589825.00	INR Fifteen Lakh Eighty Nine Thousand Eight Hundred & Twenty Five Only
3	Appendix C- CONSTRUCTION OF GROIN FIELDS AT OTTAMASSERY BETWEEN CЕСCP No. 921 TO 926 IN CHERTHALA CONS						
3.01	od39977/2022_2023 : Groin Work: Dismantling stones in the sea wall to construct the Groyne portion and Dumping in position 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	242.2280	cum		799.0000	193540.17	INR One Lakh Ninety Three Thousand Five Hundred & Forty and Paise Seventeen Only
3.02	od39978/2022_2023 : Groin Work: Earth work in excavation by mechanical means (Hydraulic excavator)/manual means /with Dozer including cutting and pushing the earth to site of embankment upto a distance of 100 metres (average lead 50 metres), including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections. All kinds of soil	6470.3960	cum		150.0000	970559.40	INR Nine Lakh Seventy Thousand Five Hundred & Fifty Nine and Paise Forty Only
3.03	od39981/2022_2023 : Groins works- Ottamassery and Kattoor- Supplying and laying Filter layer 30cm thick at site of work using 1 kg to 10 kg blasted granite stones as per approved design including supply of stones , loading from quarry , conveying to site in tipper , weighing on Weigh Bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software having latest facilities approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading , dumping at site to lines and levels , rehandling stones for forming the section with the help of tippers and suitable crane and packing of stones if necessary including hire and operational charges of all tools and plants and all sundry expenses , providing and maintaining the runway for movement of vehicles, crane using spalls gravel or sand etc. complete as per the direction of departmental officers at site. (Specifications as per 60.59.3)	7023.0000	tonne		1225.0000	8603175.00	INR Eighty Six Lakh Three Thousand One Hundred & Seventy Five Only



Chief Engineer
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram-695024

Keelaneth

3.04	od39985/2022_2023 : Groins works Ottamassery and Kattoor -Supplying and Laying core layer using 100 kg to 300kg blasted granite stones of specific gravity not less than 2.65 as per approved design , including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on Weigh Bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software with latest facilities approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading and dumping and packing in position at site to lines and levels to form the core layer over the secondary layer already laid, with heavier stones on top layer, by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	13674.0000	tonne		1225.0000	16750650.00	INR One Crore Sixty Seven Lakh Fifty Thousand Six Hundred & Fifty Only
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Alexander A.
 Chief Engineer
 Kerala Irrigation Infrastructure
 Development Corporation Ltd.
 Thiruvananthapuram - 695024

3.05	od39987/2022_2023 : Groins-Kattoor/Ottamassery - Supplying and Laying toe mound and under layer using 300 kg to 500kg blasted granite stones of specific gravity not less than 2.65 as per approved design, including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on weigh bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software with latest facilities approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading and dumping and packing in position at site to lines and levels to form the toe mound and under layer over the secondary layer already laid, with heavier stones on top layer, by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	11010.0000	tonne		1225.0000	13487250.00	INR One Crore Thirty Four Lakh Eighty Seven Thousand Two Hundred & Fifty Only
3.06	od39992/2022_2023 : Moulding and supplying 0.8 cum(2T) tetrapod with graded aggregate of 40% 75mm to 40mm, 30% 40mm to 20mm and 30% 20mm to 6mm using 380kg cement/ m3 of concrete designed for M30 grade concrete (specific gravity of fine aggregate and coarse aggregate should not be less than 2.73 and 2.5 respectively) and the cement shall be 43 grade or higher) minimum cube strength requirement (i) @7 day - 20 N/mm2 (ii) @ 28 day - 30 N/mm2 and minimum density of concrete 2.5 g/cc including hire and operational charges of tools and plants, mould, curing, rehandling and stacking charges etc., complete as per the instruction of departmental officers at site .	10156.0000	each		7330.0000	74443480.00	INR Seven Crore Forty Four Lakh Forty Three Thousand Four Hundred & Eighty Only
3.07	65.104 : Conveying 0.8cum (2T) tetrapod from stacking yard and placing in position in two layers according to specification and forming the armour layer of breakwater to lines and levels over the secondary armour layer including hire and operational charges of tools and plants etc., complete as per the direction of the departmental officers at site	10156.0000	each		850.0000	8632600.00	INR Eighty Six Lakh Thirty Two Thousand Six Hundred Only



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3.08	od39994/2022_2023 : Supplying of Mechanically Bonded, Needle Punched Polypropylene Non-Woven geotextile Mat as filter/separation media below groin as per MoRTH 700 Type-I Geotextile suitable for harsh installation with elongation failure at 50%. The width of geotextile roll shall not be less than 4.5 m, at all locations with all leads and lifts, manpower and machinery, materials, labour etc. complete and as directed by Engineer - In - Charge.	13645.0000	sqm		95.0000	1296275.00	INR Twelve Lakh Ninety Six Thousand Two Hundred & Seventy Five Only
4	Appendix D- CONSTRUCTION OF GROIN FIELD AT NELLANICKAL IN VATTACHAL FROM CH:55.20 TO CH:55.70 IN HARIPAD C						
4.01	od39977/2022_2023 : Groin Work: Dismantling stones in the sea wall to construct the Groyne portion and Dumping in position 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	719.2600	cum		799.0000	574688.74	INR Five Lakh Seventy Four Thousand Six Hundred & Eighty Eight and Paise Seventy Four Only
4.02	od39978/2022_2023 : Groin Work: Earth work in excavation by mechanical means (Hydraulic excavator)/manual means /with Dozer including cutting and pushing the earth to site of embankment upto a distance of 100 metres (average lead 50 metres), including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections.
All kinds of soil	5516.5310	cum		150.0000	827479.65	INR Eight Lakh Twenty Seven Thousand Four Hundred & Seventy Nine and Paise Sixty Five Only
4.03	od39980/2022_2023 : Groins works- Nellanickal-Supplying and laying Filter layer 30cm thick at site of work using 1 kg to 10 kg blasted granite stones as per approved design including supply of stones , loading from quarry , conveying to site in tipper , weighing on Weigh Bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software with latest facilities approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading , dumping at site to lines and levels , rehandling stones for forming the section with the help of tippers and suitable crane and packing of stones if necessary including hire and operational charges of all tools and plants and all sundry expenses , providing and maintaining the runway for movement of vehicles, crane using spalls gravel or sand etc. complete as per the direction of departmental officers at site.
(Specifications as per 60.59.3)	4282.5400	tonne		1225.0000	5246111.50	INR Fifty Two Lakh Forty Six Thousand One Hundred & Eleven and Paise Fifty Only



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4.04	od39984/2022_2023 : Groins works-Nellanickal- Supplying and Laying core layer using 100 kg to 300kg blasted granite stones of specific gravity not less than 2.65 as per approved design , including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on Weigh Bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software with latest technology approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading and dumping and packing in position at site to lines and levels to form the core layer over the secondary layer already laid, with heavier stones on top layer, by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	8572.4000	tonne		1225.0000	10501190.00	INR One Crore Five Lakh One Thousand One Hundred & Ninety Only
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4.05	od39988/2022_2023 : Groins- Nellanickal-Supplying and Laying toe mound and under layer using 300 kg to 500kg blasted granite stones of specific gravity not less than 2.65 as per approved design, including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on weigh bridge established at site by the contractor(Certified by Legal Metrology), A/C prefab cabin having electrifications, land required, installation of PC, Printer and accessories loaded with appropriate software with latest technology approved by the Departmental officers, Internet connections, tamper-proof CCTV camera(2 nos.) for measurement , unloading and dumping and packing in position at site to lines and levels to form the toe mound and under layer over the secondary layer already laid, with heavier stones on top layer, by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	7047.9800	tonne		1225.0000	8633775.50	INR Eighty Six Lakh Thirty Three Thousand Seven Hundred & Seventy Five and Paise Fifty Only
4.06	od39991/2022_2023 : A.S.E - Groynes works- Alleppy-Supplying and Providing Armour Layer using 1000kg 1500kg blasted granite stones of specific gravity not less than 2.65 as per approved design , including supply of stones, loading from quarry to tipper by crane and conveying to site, weighing on departmental weigh bridge for measurement , unloading and dumping and packing in position at site to lines and levels to form the armoury layer over the csecondary layer already laid, with heavier stones on top layer, by re-handling stones, packing for forming the section with the help of crane, floating arrangement if necessary, including hire and operational charges of all tools and plants , wages of divers and all sundry expenses , providing and maintaining the top surface of runway for the movement of vehicles, crane using spalls gravel or sand etc complete as per the direction of departmental officers at site	1193.0000	tonne		1415.0000	1688095.00	INR Sixteen Lakh Eighty Eight Thousand & Ninety Five Only



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4.07	od39992/2022_2023 : Moulding and supplying 0.8 cum(2T) tetrapod with graded aggregate of 40% 75mm to 40mm, 30% 40mm to 20mm and 30% 20mm to 6mm using 380kg cement/ m3 of concrete designed for M30 grade concrete (specific gravity of fine aggregate and coarse aggregate should not be less than 2.73 and 2.5 respectively) and the cement shall be 43 grade or higher) minimum cube strength requirement (i) @7 day - 20 N/mm2 (ii) @ 28 day - 30 N/mm2 and minimum density of concrete 2.5 g/cc including hire and operational charges of tools and plants, mould, curing, rehandling and stacking charges etc., complete as per the instruction of departmental officers at site .	4194.0000	each		7330.0000	30742020.00	INR Three Crore Seven Lakh Forty Two Thousand &Twenty Only
4.08	65.104 : Conveying 0.8cum (2T) tetrapod from stacking yard and placing in position in two layers according to specification and forming the armour layer of breakwater to lines and levels over the secondary armour layer including hire and operational charges of tools and plants etc., complete as per the direction of the departmental officers at site	4194.0000	each		850.0000	3564900.00	INR Thirty Five Lakh Sixty Four Thousand Nine Hundred Only
4.09	od39993/2022_2023 : Moulding and supplying cement concrete 2m3 (5T) tetrapod with graded aggregate of 40% 75mm to 40 mm, 30% 40 to 20mm, 30% 20 to 5mm using 380 kg cement /m3 of concrete designed for M30 grade concrete (specific gravity of fine aggregate and coarse aggregateshould not be less than 2.73 and 2.5 respectively) and the cement shall be 43 grade or higher) minimum cube strength requirement (i) @ 7 day - 20N/mm2 (ii) @ 28 day - 30N/mm2 and minimum density of concrete 2.5 g/cc. including hire and operational charge of tools and plants moulding and rehandling and stacking charge etc complete according to specification and instructions of Engineer	380.0000	each		18275.0000	6944500.00	INR Sixty Nine Lakh Forty Four Thousand Five Hundred Only
4.1	65.115 : Conveying 2 m3 (5T) tetrapods from stacking and placing in two layer according to specification and forming the armour layer of break water to lines and levels at depth of water 8m and above including hire and operational charges of tools and plants etc complete	380.0000	each		1660.0000	630800.00	INR Six Lakh Thirty Thousand Eight Hundred Only



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4.11	od39994/2022_2023 : Supplying of Mechanically Bonded, Needle Punched Polypropylene Non-Woven geotextile Mat as filter/separation media below groin as per MoRTH 700 Type-I Geotextile suitable for harsh installation with elongation failure at <50%. The width of geotextile roll shall not be less than 4.5 m, at all locations with all leads and lifts, manpower and machinery, materials, labour etc. complete and as directed by Engineer - In - Charge.	7860.4700	sqm		95.0000	746744.65	INR Seven Lakh Forty Six Thousand Seven Hundred & Forty Four and Paise Sixty Five Only
Total in Figures						619156660.44	INR Sixty One Crore Ninety One Lakh Fifty Six
Quoted Rate in Words		INR Sixty One Crore Ninety One Lakh Fifty Six Thousand Six Hundred & Sixty and Paise Forty Four					



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