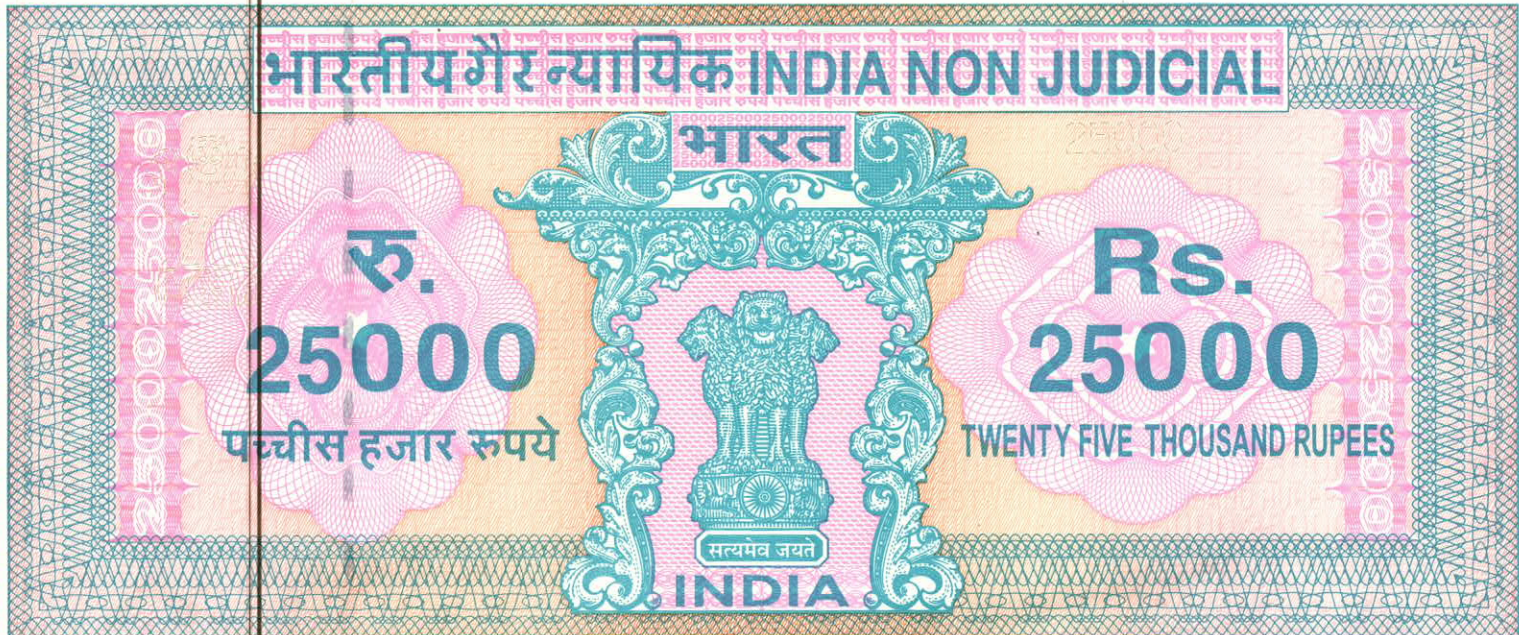


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C 377888

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AGREEMENT NO.....230...../ KIIDC/2020-21

DATED.....4/1/2021.....

CONTRACT AGREEMENT entered into on this...^{4th}.....day of January.....Two ThousandTwenty between **M/s MARYMATHA INFRASTRUCTURE PVT LTD, MARYMATHA SQUARE ARAKKUZHA ROAD, MUVATTUPUZHA, ERNAKULAM DIST., KERALA-686 661** hereinafter called the Contractor) on the one part and the **Managing Director, M/s Kerala Irrigation Infrastructure Development Corporation Ltd., PARVATHY, TC 36/1,NH66 Service Road, EnjakkalJn, Chakai P.O, Thiruvananthapuram - 695024.** for and on behalf of the Company (hereinafter called the Company) on the other part for the work :” **Project- CONSTRUCTION OF REGULATOR WITH LOCK ACROSS KONOTHUPUZHA AT PUTHENKAVU IN UDAYEMPEROOR GRAMA PANCHAYATH ERNAKULAM DISTRICT.**” by the former as per accompanying agreement, accepted tender with conditions of contract, plans, accepted schedule with specifications approved by **Managing Director, M/s Kerala Irrigation Infrastructure Development Corporation Ltd., PARVATHY, TC 36/1,NH66 Service Road, EnjakkalJn, Chakai P O, Thiruvananthapuram - 695 024.,** which form part of this agreement.

For MARYMATHA INFRASTRUCTURE PRIVATE LIMITED

AUTHORISED SIGNATORY

Managing Director
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

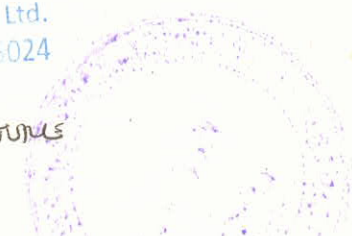
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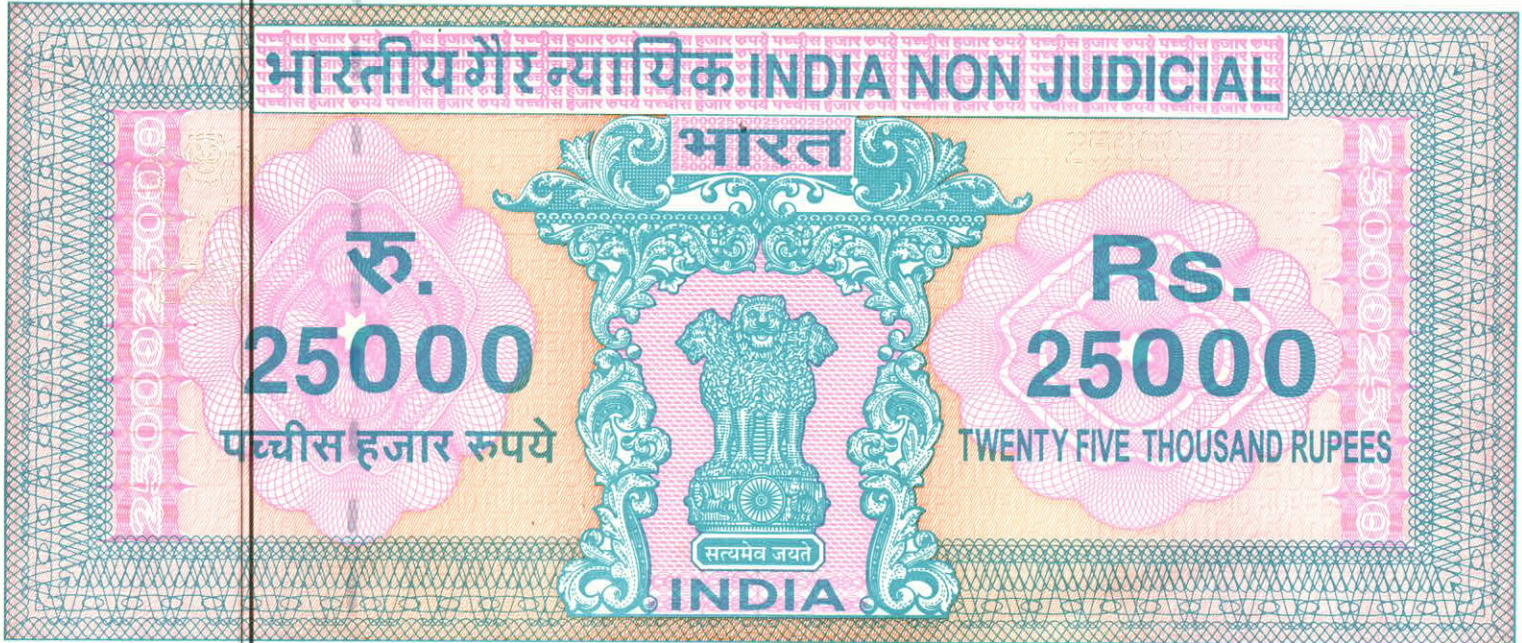
Rs 25000

Dt 12-11-2020

Sold to.....
**MOOVATTUPUZHA VENDOR
K.A. GOPAKUMAR**

MARY MATHA INFRASTRUCTURE
PVT LTD





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C 377890

C 377890

Signed and delivered by **Managing Director, Kerala Irrigation Infrastructure Development Corporation Limited, PARVATHY, TC 36/1, NH66 Service Road, Enjakkal Jn, Chakai P O, Thiruvananthapuram - 695024**, for and on behalf of the Company.

FOR MARY MATHA INFRASTRUCTURE PRIVATE LIMITED

AUTHORISED SIGNATORY

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

In the presence of:-

1.

2.

No. 32854

Rs. 25000

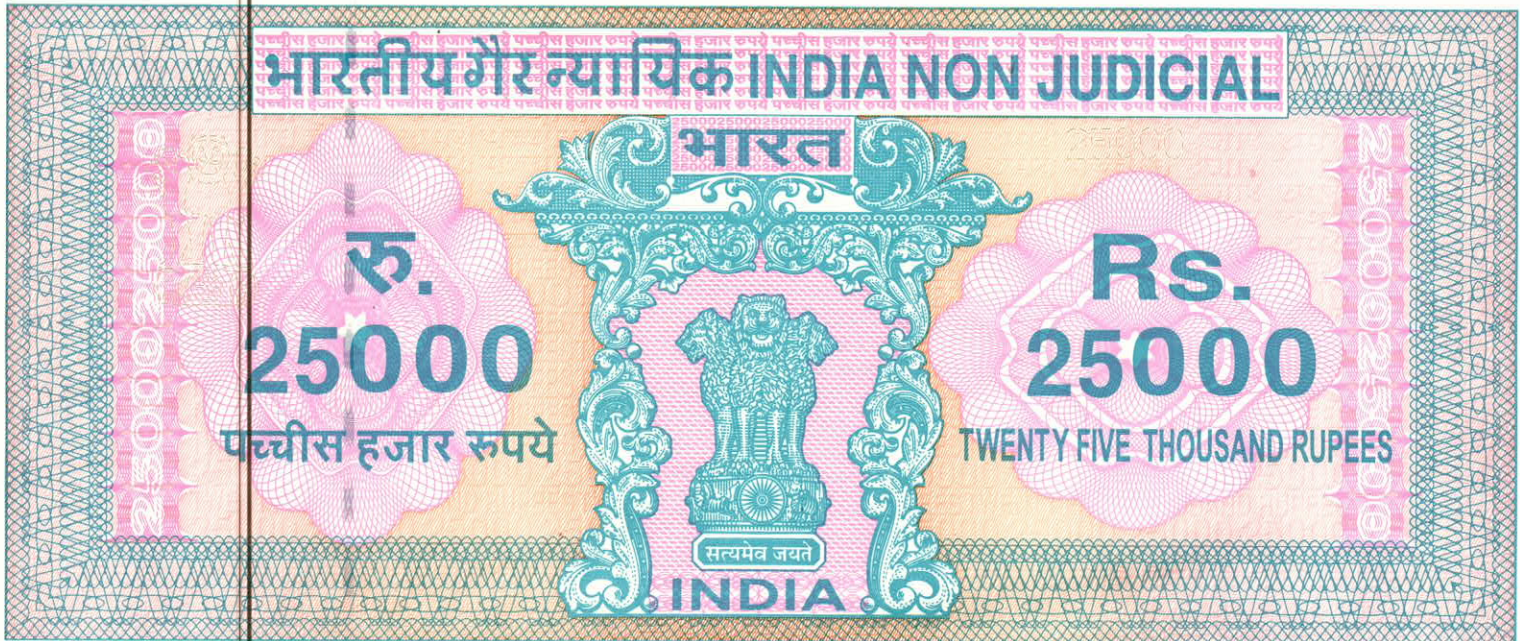
Dt 12-11-2020

Sold to MOOVATTUPUZHA VENDOR
K.A. GOPAKUMAR

MARY MATHA INFRASTRUCTURE
PRIVATE LIMITED

MOOVATTUPUZHA





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C 377889

C 377889

Signed and delivered by the above mentioned **M/s MARYMATHA INFRASTRUCTURE PVT LTD, MARYMATHA SQUARE ARAKKUZHA ROAD, MUVATTUPUZZHA, ERNAKULAM DIST., KERALA-686 661.**

FOR MARYMATHA INFRASTRUCTURE PRIVATE LIMITED

Contractor

AUTHORISED SIGNATORY

In the presence of:-

1. *Krishnakalyan*

2.

[Signature]
Managing Director
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

No. 82851

Rs. 25000 DL

12-17-2020

Sold to.....
MOOVATTUPUZZHA VENDOR
K.A. GOPAKUMAR

MARY MATHA INFRASTRUCTURE

PVT LTD

MOOVATTUPUZZHA



भारतीय गैर न्यायिक INDIA NON JUDICIAL

MEMORANDUM OF WORK TENDERED

Name of work	"Project-CONSTRUCTION OF REGULATOR WITH LOCK ACROSS KONOTHUPUZZHA AT PUTHENKAVU IN UDAYEMPEROOR GRAMA PANCHAYATH ERNAKULAM DISTRICT."
Estimate P.A.C	Rs.22,99,74,997/- पच्चीस हजार रुपये
Contract P.A.C	Rs.24,36,10,473.15 TWENTY FIVE THOUSAND RUPEES
Date of starting	From the date of handing over the site
Date of completion	18 months from the date of handing over the site
Performance Guarantee	Treasury Fixed deposit for Rs.60,90,300/-JL No .0487497 dated 17.11.2020 for 7 years. Bank Guarantee No. 04850100000169 for an amount of Rs. 60,90,300/- with Axis Bank Limited, Muvattupuzha Branch dated 18.11.2020 valid upto 17.08.2027.
Additional Performance Guarantee	Bank Guarantee No. 04850100000169 for an amount of Rs. 1,68,76,403/- with Axis Bank Limited, Muvattupuzha Branch dated 18.11.2020 valid upto 17.08.2027.

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KERALA

For MARYMATHA INFRASTRUCTURE PRIVATE LIMITED

In the presence of witness:

1. *[Signature]*
K. Prabhakaran

AUTHORISED SIGNATORY

2.

[Signature]

The Managing Director
KIIDC Limited
Thiruvananthapuram

No. 32853

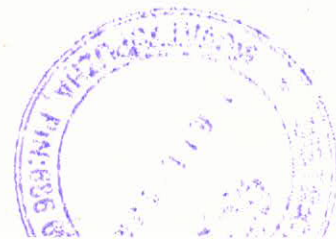
Rs. 25000

12-11-2020

Sold to.....
MOOVATTUPUZHA VENDOR
K.A. GOPAKUMAR

[Signature]

MOOVATTUPUZHA



Item Rate Book

Validate Print Help

Tender Inviting Authority: KERALA IRRIGATION INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Work Name : KIIFB Project: Construction of Regulator with Lock across Konothupuzha at Puthenkavu in Udayemperoor Grama Panchayath ,Ernakulam District.

Contract No: KIIDC / Tender /3071/ 2020-21

Bidder Name : Marymatha Infrastructure Private Limited

PRICE SCHEDULE
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant 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 #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT In Words	
1	2	4	5	6	13		53		55
1	Appendix A: FOUNDATION ,APRON ,ABUTMENT ,PIERS AND LOCKWALL(MORTH)	15413.1260	cum		262.0000		4038239.01	INR Forty Lakh Thirty Eight Thousand Two Hundred & Thirty Nine and Paise One Only	
1.01	12.1.B.1 : Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. Ordinary Soil - Depth upto 3m - Mechanical Means 	1587.4220	cum		1748.0000		2774813.66	INR Twenty Seven Lakh Seventy Four Thousand Eight Hundred & Thirteen and Paise Sixty Six Only	
1.02	od126830/2020_2021 : Filling with Quarry Muck &br> Filling up low lying and water logged areas with local material/ quarry muck, spreading in layers, leveling the top at site and consolidation by ramming, etc complete for improving the CBR value of subgrade	3458.7040	cum		2622.0000		9068721.89	INR Ninety Lakh Sixty Eight Thousand Seven Hundred & Twenty One and Paise Eighty Nine Only	
1.03	od126817/2020_2021 : DR PACKING Under foundation - Dry stone packing under foundation with good &br> quality rubble including conveyance of material and labour charges etc &br> complete as per direction of departmental officers at site As per DAR 60.7.2								

FOR MARYMATHA INFRASTRUCTURE PRIVATE LIMITED

Managing Director

Kerala Irrigation Infrastructure Development Corporation Ltd.
Thiruvananthapuram - 695024

AUTHORISED SIGNATORY

1.04	12.39 : Providing and laying of PCC M15 leveling course 100 mm thick below the pile cap	170.5400	cum			6992.0000	1192415.68	INR Eleven Lakh Ninety Two Thousand Four Hundred & Fifteen and Paise Sixty Eight Only
1.05	od46599/2020_2021 : Providing hot rolled Z steel sheet pile confirming to IS 2314-1986 with thickness 8.5mm driving down vertically in lines and levels interlocking with adjacent piles with suitable pile driving unit and all accessories including all labour hire charges etc. complete and as per the directions of departmental officers at site as per 60.65 OD Irrigation	846.1000	sqm			12236.0000	10352879.60	INR One Crore Three Lakh Fifty Two Thousand Eight Hundred & Seventy Nine and Paise Sixty Only
1.06	12.8.E.2.1 : Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump	2437.0030	cum			11362.0000	27689228.09	INR Two Crore Seventy Six Lakh Eighty Nine Thousand Two Hundred & Twenty Eight and Paise Nine Only
1.07	13.5.F.q.2 : Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height 5m to 10m	968.5390	cum			14858.0000	14390552.46	INR One Crore Forty Three Lakh Ninety Thousand Five Hundred & Fifty Two and Paise Forty Six Only
1.08	12.22 : Providing Steel Liner 10mm thick for Curbs and 6 mm thick for Steining of Wells including Fabricating and Setting out as per Detailed Drawing.	107.1070	MT			65550.0000	7020863.85	INR Seventy Lakh Twenty Thousand Eight Hundred & Sixty Three and Paise Eighty Five Only
1.09	12.24.3 : Bored cast-in-situ M35 grade R.C.C. Pile Using Batching Plant, Transit Mixer and Concrete Pump excluding Reinforcement complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. 	2173.6010	metre			15732.0000	34195090.93	INR Three Crore Forty One Lakh Ninety Five Thousand & Ninety and Paise Ninety Three Only
1.1	Pile diameter 1000 mm 12.38.C.2 : Cement Concrete for Reinforced Concrete in Pile Cap complete as per Drawing and Technical Specification R C C Grade M-30- Using Batching Plant, Transit Mixer and Concrete Pump 	398.7910	cum			10488.0000	4182520.01	INR Forty One Lakh Eighty Two Thousand Five Hundred & Twenty and Paise One Only
1.11	od132497/2020_2021 : Supply, Fitting and Placing Fusion bonded epoxy coated/confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in substructure complete as per Drawing and Technical Specifications and as per 13.6 of MORTH Specifications 	75.4510	MT			69920.0000	5275533.92	INR Fifty Two Lakh Seventy Five Thousand Five Hundred & Thirty Three and Paise Ninety Two Only

FOR MARYMATHA INFRASTRUCTURE PRIVATE LIMITED



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Managing Director

Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

1.12	od132498/2020_2021 : Supply, Fitting and Placing Fusion bonded epoxy coated(confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in Foundation complete as per Drawing and Technical Specifications and as per 12.40 of MORTH Specification. od45860/2020_2021 : Coconut Pile - Supplying and stacking well matured straight coconut post for driving down through various strata below bed level including cost covayance labour charges etc complete.	403.2900	MT	71668.0000	28902987.72	INR Two Crore Eighty Nine Lakh Two Thousand Nine Hundred & Eighty Seven and Paise Seventy Two Only
1.13	od45860/2020_2021 : Coconut Pile - Supplying and stacking well matured straight coconut post for driving down through various strata below bed level including cost covayance labour charges etc complete.	9498.0000	metre	262.0000	2488476.00	INR Twenty Four Lakh Eighty Eight Thousand Four Hundred & Seventy Six Only
1.14	od45861/2020_2021 : Coconut Pile - Driving down coconut pile to lines and levels through various strata including all hire charges and labour for fixing , staging platform and all other appliances necessary for pile driving down after pointing the bottom end	8706.5000	metre	480.0000	4179120.00	INR Forty One Lakh Seventy Nine Thousand One Hundred & Twenty Only
1.15	2.4.2.B : Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres Prestressed / reinforced cement concrete grade M-20 & above - By Mechanical means od45862/2020_2021 : Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012.MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of ±2%) Zinc+PVC coated, Mesh wire diameter 2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(D/D), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.	90.0000	cum	1748.0000	157320.00	INR One Lakh Fifty Seven Thousand Three Hundred & Twenty Only
1.16	od45862/2020_2021 : Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012.MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of ±2%) Zinc+PVC coated, Mesh wire diameter 2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(D/D), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.	870.8000	cum	3933.0000	3424856.40	INR Thirty Four Lakh Twenty Four Thousand Eight Hundred & Fifty Six and Paise Forty Only
1.17	13.9.b : Back filling behind abutment, wing wall and return wall complete as per drawing and Technical Specification :- Sandy material	497.9240	cum	1311.0000	652778.36	INR Six Lakh Fifty Two Thousand Seven Hundred & Seventy Eight and Paise Thirty Six Only

For MARYAMATHA INFRASTRUCTURE PRIVATE LIMITED

Managing Director

Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

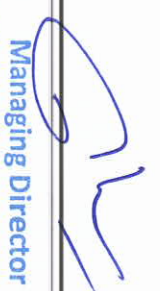
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1.18	od131814/2020_2021 : Cement Concrete Blocks (size 1.5 x 1.5 x 0.9 m)&br&Providing and laying of apron with cement concrete blocks of size 1.5 x 1.5 x 0.9 m cast in-situ and made with nominal mix of M-15 grade cement concrete with a minimum cement content of 250 kg/cum as per IRC:21. & as per 15.3.a	334.1250	cum	8740.0000	2920252.50	INR Twenty Nine Lakh Twenty Thousand Two Hundred & Fifty Two and Paise Fifty Only
1.19	13.10 : Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of Mo/RTI specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.	225.8290	cum	1748.0000	394749.09	INR Three Lakh Ninety Four Thousand Seven Hundred & Forty Nine and Paise Nine Only
1.2	od45892/2020_2021 : PVC WEEP HOLES-- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq cm including cost of materials, conveyance, labour charges etc. complete.	19.2000	metre	262.0000	5030.40	INR Five Thousand & Thirty and Paise Forty Only
2	Appendix B:RING BUND & DEWATERING					
2.01	od93139/2020_2021 : RING BUND- Putting the ring bund using driving Z type MS sheet piles of 12 m and&br&9&br&m height respectively (400x185x7.5/8.5 or equalant- confirming to IS 2314-1986) on one side driving&br&with&br&minimum driving length of 6m and 3m on other side for ensuring sufficient anchorage and&br&horizontal braced&br&with MS flats angles wherever necessary . Filled with earth , and including&br&dismantling the bund, driven&br&out sheet pile after completion of the work etc .Complete as directed by the &br&at&br&office at site	302.0000	per metre	43700.0000	13197400.00	INR One Crore Thirty One Lakh Ninety Seven Thousand Four Hundred Only

FOR MARYMATHA INFRASTRUCTURE PRIVATE LIMITED



AUTHORISED SIGNATORY



Managing Director
Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

2.02	od93989/2020_2021 : Putting up ring bund bottom width 3.50m and top width 2.50m ,3.50m average height with well matured coconut posts 7.50m long driven down 4.0m below ground level at 1m interval and 2.50m apart in to two rows and walling pieces using half split coconut posts to 3 rows , cross stiffeners 1.00m interval at top horizontally with arecanut posts and tying all the members and with coir yarn and screening with etamat on each side filling with cut earth /clay obtained from river bed and maintaining the bund during the period of execution and removing the bund on completion of the work etc complete as per the direction of the departmental officers. 	130.0000	per metre			30590.0000		3976700.00	INR Thirty Nine Lakh Seventy Six Thousand Seven Hundred Only
2.03	60.2.4 : BAILING OUT WATER USING PUMP ABOVE 10HP AND UP TO 20HP - Bailing out water with engine and pump set above 10HP and up to 20HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete	1920.0000	hour			437.0000		839040.00	INR Eight Lakh Thirty Nine Thousand & Forty Only
2.04	60.2.5 : BAILING OUT WATER USING PUMP ABOVE 20HP AND UP TO 30HP -Bailing out water with engine and pump set above 25HP and up to 30HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete	360.0000	hour			699.0000		251640.00	INR Two Lakh Fifty One Thousand Six Hundred & Forty Only
3	APPENDIX C: CONSTRUCTION OF WATCH MAN ROOM							2530.66	INR Two Thousand Five Hundred & Thirty and Paise Sixty Six Only
3.01	2.8.1 : Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil	9.6590	cum			262.0000			
3.02	2.31 : Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared	225.0000	sqm			8.0000		1800.00	INR One Thousand Eight Hundred Only

For MARYMATHA INFRASTRUCTURE PRIVATE LIMITED



AUTHORISED SIGNATORY

Managing Director

Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

3.03	20.3.3 : Boring, providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap). 450 mm dia piles	90.0000	metre	5244.0000	471960.00	INR Four Lakh Seventy One Thousand Nine Hundred & Sixty Only
3.04	4.1.8 : Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)	3.1660	cum	6992.0000	22136.67	INR Twenty Two Thousand One Hundred & Thirty Six and Paise Sixty Seven Only
3.05	2.25 : Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m	7.2450	cum	131.0000	949.10	INR Nine Hundred & Forty Nine and Paise Ten Only
3.06	60.2.1 : EARTH WORK FILLING- Supplying contractors own earth including cost of conveyance and royalty and filling (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m	8.0210	cum	1311.0000	10515.53	INR Ten Thousand Five Hundred & Fifteen and Paise Fifty Three Only
3.07	5.1.2 : Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: 1:1.5:3 (1 cement 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	3.9830	cum	6992.0000	27849.14	INR Twenty Seven Thousand Eight Hundred & Forty Nine and Paise Fourteen Only
3.08	5.2.2 : Reinforced cement concrete work in walls (any thickness), including attached plasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor level excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	1.5120	cum	8303.0000	12554.14	INR Twelve Thousand Five Hundred & Fifty Four and Paise Fourteen Only


Managing Director

Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

3.09	5.3 : Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15⁰</sup> landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size)	8.3210	cum		7866.0000	65452.99	INR Sixty Five Thousand Four Hundred & Fifty Two and Paise Ninety Nine Only
3.1	5.9.3 : Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	32.5200	sqm		568.0000	18471.36	INR Eighteen Thousand Four Hundred & Seventy One and Paise Thirty Six Only
3.11	5.9.5 : Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders, brusses and cantilevers	64.0210	sqm		568.0000	36363.93	INR Thirty Six Thousand Three Hundred & Sixty Three and Paise Ninety Three Only
3.12	5.9.6 : Centering and shuttering including strutting, etc. and removal of form for: Columns, Pillars, Piers, Abutments, Posts and Struts	25.2000	sqm		524.0000	13204.80	INR Thirteen Thousand Two Hundred & Four and Paise Eighty Only
3.13	5.22.6 : Steel reinforcement for R. C. C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more	2842.5030	kilogram		74.0000	210345.22	INR Two Lakh Ten Thousand Three Hundred & Forty Five and Paise Twenty Two Only
3.14	50.6.2.1 : Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15 cm or nearest available size conforming to IS 2185 part I of 1979 for foundation and plinth with thickness 15cm in: CM 1:6 (1 cement :6 coarse sand) etc complete	3.7270	cum		7429.0000	27687.88	INR Twenty Seven Thousand Six Hundred & Eighty Seven and Paise Eighty Eight Only
3.15	50.6.2.2 : Solid masonry using pre cast solid blocks (factory made) of size 30x20x15cm or nearest available size conforming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in : CM 1:6 (1 cement : 6 coarse sand) etc complete	12.9880	cum		7429.0000	96487.85	INR Ninety Six Thousand Four Hundred & Eighty Seven and Paise Eighty Five Only
3.16	50.9.1.1 : Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood	0.3030	cum		305900.0000	92687.70	INR Ninety Two Thousand Six Hundred & Eighty Seven and Paise Seventy Only

FOR MARYAMATHA INFRASTRUCTURE PRIVATE LIMITED

AUTHORISED SIGNATORY

Managing Director

Kerala Irrigation Infrastructure
Development Corporation Ltd.
Thiruvananthapuram - 695024

3.17	50.9.2.1 : Providing and fixing paneled and glazed shutters for doors, windows and clerestory windows, 35 mm thick shutters including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge using Anjilli/ Jack wood	3.2800	sqm	13110.0000	43000.80	INR Forty Three Thousand and Paise Eighty Only
3.18	50.9.6.1 : Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. Using Anjilli wood / jack wood 30 mm thick shutters	7.2810	sqm	12236.0000	89090.32	INR Eighty Nine Thousand & Ninety and Paise Thirty Two Only
3.19	9.48.2 : Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/ wooden frames with rawl plugs screws etc	94.4580	kg	157.0000	14829.91	INR Fourteen Thousand Eight Hundred & Twenty Nine and Paise Ninety One Only
3.2	9.120.1 : Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which 75 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. panelling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick	3.0750	sqm	3933.0000	12093.98	INR Twelve Thousand & Ninety Three and Paise Ninety Eight Only

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3.21	13.1.1 : 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)	133.6730	sqm							52533.49	INR Fifty Two Thousand Five Hundred & Thirty Three and Paise Nine Only
3.22	5.23 : Smooth finishing of the exposed surface of RCC work with 6mm thick cement mortar 1:3 (cement : 3 fine sand).	32.5200	sqm							11349.48	INR Eleven Thousand Three Hundred & Forty Nine and Paise Forty Eight Only
3.23	11.36 : Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer -in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	10.8010	sqm							17929.66	INR Seventeen Thousand Nine Hundred & Twenty Nine and Paise Sixty Six Only
3.24	11.37 : Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	23.3640	sqm							40840.27	INR Forty Thousand Eight Hundred & Forty and Paise Twenty Seven Only
3.25	9.55.2 : Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc, complete:100x58x1.90mm.	29.0000	no							2523.00	INR Two Thousand Five Hundred & Twenty Three Only
3.26	9.63.1 : Providing and fixing ISI marked oxidised M.S. lower bolt black finish, (Barrel type) with necessary screws etc. complete:250x10 mm	8.0000	no							1048.00	INR One Thousand & Forty Eight Only
3.27	9.66.2 : Providing and fixing ISI marked oxidised M.S. handles conforming to IS : 4992 with necessary screws etc. complete:100 mm	2.0000	no							348.00	INR Three Hundred & Forty Eight Only
3.28	13.48.1 : Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications: Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm	166.1940	sqm							36230.29	INR Thirty Six Thousand Two Hundred & Thirty and Paise Twenty Nine Only
3.29	13.48.2 : Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved	14.1290	sqm							6174.37	INR Six Thousand One Hundred & Seventy Four and Paise Thirty Seven Only

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3.3	13.61.1 : Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work	5.4460 sqm		174.0000	947.60	INR Nine Hundred & Forty Seven and Paise Sixty Only
3.31	17.3.1 : Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid	1.0000 each		6992.0000	6992.00	INR Six Thousand Nine Hundred & Ninety Two Only
3.32	17.7.3 : Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	1.0000 each		8740.0000	8740.00	INR Eight Thousand Seven Hundred & Forty Only
3.33	50.18.7.2.2 : Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer -in-Charge 20 mm dia 10 Kg/cm ² - Internal work - Exposed on wall	50.0000 metre		174.0000	8700.00	INR Eight Thousand Seven Hundred Only
3.34	50.18.7.4.1 : Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer -in-Charge 32 mm dia 10Kg/cm ² - Internal work - Exposed on wall	50.0000 metre		218.0000	10900.00	INR Ten Thousand Nine Hundred Only
3.35	50.18.9.22.4 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend	15.0000 no		131.0000	1965.00	INR One Thousand Nine Hundred & Sixty Five Only
3.36	18.48 : Providing and placing on terrace (at all floor levels) polyethylene water storage tank :ISI 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	1000.0000 Litre		8.0000	8000.00	INR Eight Thousand Only

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3.37	51.19.ST1 : Supplying and installing ready made PVC Septic tank including the cost of carriage, trenching, placing at the level below ground level as specified as per the direction of engineer in charge (Provision for CC/RCC/Sand/06mm aggregate for the preparation of bed shall be paid separately) 1. Below 15 flush capacity	1.0000	each	43700.0000	43700.00	INR Forty Three Thousand Seven Hundred Only
4	Appendix D:ROAD FORMATION(CPWD)					
4.01	60.2.1 : EARTH WORK FILLING- Supplying contractors own earth including cost of conveyance and royalty and filling (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m	262.5000	cum	1311.0000	344137.50	INR Three Lakh Forty Four Thousand One Hundred & Thirty Seven and Paise Fifty Only
4.02	16.1 : Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres	160.0000	sqm	174.0000	27840.00	INR Twenty Seven Thousand Eight Hundred & Forty Only
4.03	16.78.2 : Construction of granular sub- base by Providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, Carriage of mixed material by tipper to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBRValue-25	24.0000	cum	3059.0000	73416.00	INR Seventy Three Thousand Four Hundred & Sixteen Only
4.04	16.4 : Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/ vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	40.0000	cum	3496.0000	139840.00	INR One Lakh Thirty Nine Thousand Eight Hundred & Forty Only

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4.05	51.16.PC.1pb : Primer Coat - Bitumen Emulsion (SS-1) - Using Packed Bitumen Rates Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502 (low modulus)	160.0000	sqm			52.0000		8320.00	INR Eight Thousand Three Hundred & Twenty Only
4.06	51.16.31.1.3pb : Tack Coat - RS Bitumen Emulsion - Using Packed Bitumen Rates Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.	160.0000	sqm			17.0000		2720.00	INR Two Thousand Seven Hundred & Twenty Only
4.07	16.33.3 : 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately); With Refinery Modified Bitumen CRMB 55 conforming to IRC:SP:53 - 1999	160.0000	sqm			262.0000		41920.00	INR Forty One Thousand Nine Hundred & Twenty Only
5	Appendix E Mechanical Works, E-1-Cost of supplying and stacking materials for Embedded Parts								
5.01	85.101 : Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges	10157.8580	kg			61.0000		619629.34	INR Six Lakh Nineteen Thousand Six Hundred & Twenty Nine and Paise Thirty Four Only
5.02	85.102 : Supply of MS Tees, Angles, Joists, ISMB, ISMC conforming to IS2062GrA/B including cost of conveyance charges	3509.0700	kg			63.0000		221071.41	INR Two Lakh Twenty One Thousand & Seventy One and Paise Forty One Only
5.03	85.107 : Supply of MS round bar including cost of conveyance charges	551.8670	kg			61.0000		33663.89	INR Thirty Three Thousand Six Hundred & Sixty Three and Paise Eighty Nine Only
5.04	0095209/2020_2021 : Supply of MS Bolts and Nuts	332.7050	kg			83.0000		27614.52	INR Twenty Seven Thousand Six Hundred & Fourteen and Paise Fifty One Only
5.05	85.108 : Fabrication, erection and commissioning of Structural steel Embedded parts in IS2062 Grade and accessories as per approved specifications, drawings and directions of dept officer at site including cost of labour, machinery, incidental and handling charges etc complete but excluding cost of material already supplied	14218.7950	kg			73.0000		1037972.04	INR Ten Lakh Thirty Seven Thousand Nine Hundred & Seventy Two and Paise Four Only

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5.06	od95262/2020_2021 : Fabrication, Supply, erection and assembling in correct position and alignment by welding SS embedded parts in 304L Grade like roller track, seal track, Seal seat etc as per approved specifications, drawings and directions of de pti officer at site including cost of all materials, labour. machinery for planning, welding, grinding etc, lead and lift, conveyance, incidental and handling etc. complete	2384.3920	kg			469,0000	1118279.85	INR Eleven Lakh Eighteen Thousand Two Hundred & Seventy Nine and Paise Eighty Five Only
6	Appendix E-2-Supply of materials, fabrication, painting and erection of 12x3H 3 Nos, 9x3H 1 Nos of MS shutter.							
6.01	85.101 : Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges	46971.1650	kg			61,0000	2865241.07	INR Twenty Eight Lakh Sixty Five Thousand Two Hundred & Forty One and Paise Six Only
6.02	85.102 : Supply of MS Tees, Angles, Joists, ISMB, ISMC conforming to IS2062GrA/B including cost of conveyance charges	1802.3400	kg			63,0000	113547.42	INR One Lakh Thirteen Thousand Five Hundred & Forty Seven and Paise Forty Two Only
6.03	od95209/2020_2021 : Supply of MS Bolts and Nuts	387.4730	kg			83,0000	32160.26	INR Thirty Two Thousand One Hundred & Sixty and Paise Twenty Six Only
6.04	85.110 : Fabrication and supply of Structural steel wheel gate and accessories as per approved specifications, drawings and directions of dept officer at site including cost of labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material already supplied	48773.5050	kg			68,0000	3316598.34	INR Thirty Three Lakh Sixteen Thousand Five Hundred & Ninety Eight and Paise Thirty Four Only
6.05	85.112 : Painting all the exposed surfaces of the gate and embedded parts with two coats of epoxy coal tar black paint conforming to IS14948 with a minimum film thickness of 150+/-5 microns per each coat over two coats of priming coat applied with zinc primer containing not less than 85% of zinc dry film with a film thickness of 70+/-5 microns, so that the total film thickness of all coats including priming coat at any rate is not less than 350microns over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials, labour charges, cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site	1207.1690	sqm			763,0000	921069.95	INR Nine Lakh Twenty One Thousand & Sixty Nine and Paise Ninety Five Only
6.06	85.111 : Erection of the gates safely in the grooves, assembling and aligning including cost of all machinery, labour all incidental and conveyance charges etc complete as per direction of departmental officer at site	49160.9780	kg			5,0000	245804.89	INR Two Lakh Forty Five Thousand Eight Hundred & Four and Paise Eighty Nine Only

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7	Appendix E-3- Supplying and fixing of rubber seals.								
7.01	85.116 : Supplying and fixing in correct position with specified initial interface the flat type rubber seal confirming to IS 11855 to the gates including cost of SS bolts and nut all labour and machinery and incidental and conveyance charges complete as per approved specification and drawing	44,8400	metre			1859,0000		83357.56	INR Eighty Three Thousand Three Hundred & Fifty Seven and Paise Fifty Six Only
7.02	85.118 : Supplying and fixing in correct position with specified initial interface L-type / bulb nose rubber seal confirming to IS11855 to the gates including cost of SS bolts and nuts and all labour and machinery and incidental and conveyance charges complete as per approved specifications and drawings	24,0000	metre			2545,0000		61080.00	INR Sixty One Thousand & Eighty Only
7.03	85.117 : Supplying and fixing in correct position with specified initial interface the Angular type rubber seal confirming to IS11855 to the gates including cost of SS bolts and nuts and all labour and machinery and incidental and conveyance charges complete as per approved specifications and drawings	24,0000	metre			2638,0000		68112.00	INR Sixty Eight Thousand One Hundred & Twelve Only
8	Appendix E 4 - Supplying and fixing of roller assembly.								
8.01	od95419/2020_2021 : Supplying and fixing cast steel thrust roller assembly having 300mm Dia, 90mm<br&thead width, SS(304) shaft and 22220E self aligning spherical roller bearing and accessories as per approved<br&tspecifications and drawings including cost of all materials, machineries, labour , all lift and lead, incidental<br&tand conveyance charges etc complete	16,0000	no			58732,0000		939712.00	INR Nine Lakh Thirty Nine Thousand Seven Hundred & Twelve Only
9	Appendix E 5- Supply of materials, fabrication, painting and erection of hoisting bridge, covers and frames of driving units &								
9.01	85.101 : Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges	24564,8430	kg			61,0000		1498455.42	INR Fourteen Lakh Ninety Eight Thousand Four Hundred & Fifty Five and Paise Forty Two Only
9.02	85.102 : Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges	10682,1000	kg			63,0000		672972.30	INR Six Lakh Seventy Two Thousand Nine Hundred & Seventy Two and Paise Thirty Only
9.03	85.103 : Supply of MS chequered plates including cost of conveyance charges	6575,2280	kg			66,0000		433965.05	INR Four Lakh Thirty Three Thousand Nine Hundred & Sixty Five and Paise Five Only
9.04	od99607/3/2020_2021 : Supply of NB-32mm GI pipe	271,8400	metre			283,0000		76930.72	INR Seventy Six Thousand Nine Hundred & Thirty and Paise Seventy Two Only
9.05	od95209/2020_2021 : Supply of MS Bolts and Nuts	168,9610	kg			83,0000		14023.76	INR Fourteen Thousand & Twenty Three and Paise Seventy Six Only

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9.06	85.107 : Supply of MS round bar including cost of conveyance charges	18.3170	kg	61.0000	1117.34	INR One Thousand One Hundred & Seventeen and Paise Thirty Four Only
9.07	85.124 : Fabrication and supply of Hoisting bridge unit in structural steel conforming to IS2062Gr including ladder, covers for hoisting unit etc as per approved specifications, drawings and directions of dept officer at site including cost of labour, machinery, incidental and handling charges for fixing handrails and allied works etc complete but excluding material already supplied and weight of pipes for hand rails etc	41840.4880	kg	48.0000	2008343.42	INR Twenty Lakh Eight Thousand Three Hundred & Forty Three and Paise Forty Two Only
9.08	10.19 : Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	188.8000	kg	88.0000	16614.40	INR Sixteen Thousand Six Hundred & Fourteen and Paise Forty Only
9.09	od96313/2020_2021 : Painting all the exposed surfaces 2 coats of enamel paint over 1 coat of zinc chromate primer as per IS 1477:1994 over the grit blasted and cleaned surface to class A standard including cost of all materials, labour charges, cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site.	1278.8020	sqm	548.0000	700783.50	INR Seven Lakh Seven Hundred & Eighty Three and Paise Fifty Only
9.1	85.136 : Erection of the hoisting bridge unit including handrails, ladder and platform etc. in correct alignment and anchoring it; setting and aligning the covers of the hoisting unit etc complete including cost of all labour, machinery, incidental and conveyance, lead and lift charges etc complete but excluding cost of materials already supplied	42009.4490	kg	5.0000	210047.25	INR Two Lakh Ten Thousand & Forty Seven and Paise Twenty Four Only
10	Appendix E-6-Supplying, stacking, erecting and trial run of rope drum hoisting Unit					
10.01	85.128 : Providing Line shaft, material : MS rolled/ forged steel	1455.0080	kg	117.0000	170235.94	INR One Lakh Seventy Thousand Two Hundred & Thirty Five and Paise Ninety Four Only
10.02	od96643/2020_2021 : Cost of supplying and stacking 20mm, 6/36 construction, right hand lay>ungalvanised main fiber core wire rope < breaking load capacity 19266 Kg>confirming to IS2266-1989	472.0000	metre	283.0000	133576.00	INR One Lakh Thirty Three Thousand Five Hundred & Seventy Six Only
10.03	od96644/2020_2021 : Providing DIAL ASSEMBLY	4.0000	set	24472.0000	97888.00	INR Ninety Seven Thousand Eight Hundred & Eighty Eight Only

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10.04	85.133 : Supplying and stacking of 25 Tonne capacity rope drum hoisting unit having 13.5 m lift at a hoisting speed of about 0.45 m/min (+/-10%) through pulley arrangements with 4 numbers of falls on either side with 20mm tested galvanized wire rope 6/36 construction, fibre core having breaking capacity 23853Kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 5HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of Line shaft but including 2 nos. of plummer blocks with bearings for line shaft supported at proper intervals and including cost of electro magnetic thruster brake assembly manual operating systems, electrical accessories like DOL starters, limit switch, main switches and other safety equipments as per drawings specifications and statutory requirements etc complete but excluding cost of wire rope.	4.0000	set		880992.0000	3523968.00	INR Thirty Five Lakh Twenty Three Thousand Nine Hundred & Sixty Eight Only
10.05	85.125 : Conveying and erecting in position the already supplied rope drum hoisting units (15T/20T/25T/30T) capacity on the hoisting bridge and correcting the alignment as far as possible manually as per the direction of departmental officer at site including cost of all labour, machinery, lead and lift and all incidental and conveyance charges etc complete	4.0000	no		58732.0000	234928.00	INR Two Lakh Thirty Four Thousand Nine Hundred & Twenty Eight Only
10.06	85.135 : Conveying and Fixing wire rope already supplied to the new gates and Hoisting unit safely and conducting Trial Run	4.0000	set		14683.0000	58732.00	INR Fifty Eight Thousand Seven Hundred & Thirty Two Only
11	Appendix E- 7 PART II- DIAMOND LOCK GATE-EMBEDDED PARTS						
11.01	85.101 : Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges	11286.8950	kg		61.0000	688500.60	INR Six Lakh Eighty Eight Thousand Five Hundred and Paise Fifty Nine Only
11.02	85.102 : Supply of MS Tees, Angles, Joists, ISMB, ISMC conforming to IS2062GrA/B including cost of conveyance charges	4229.0730	kg		63.0000	266431.60	INR Two Lakh Sixty Six Thousand Four Hundred & Thirty One and Paise Sixty Only
11.03	85.107 : Supply of MS round bar including cost of conveyance charges	517.6080	kg		61.0000	31574.09	INR Thirty One Thousand Five Hundred & Seventy Four and Paise Nine Only
12	Appendix E- 8 Fabrication, erection of embedded parts Diamond lock						
12.01	85.108 : Fabrication, erection and commissioning of Structural steel Embedded parts in IS2062 Grade and accessories as per approved specifications, drawings and directions of dept officer at site including cost of labour, machinery, incidental and handling charges etc complete but excluding cost of material already provided	16033.5760	kg		78.0000	1250618.93	INR Twelve Lakh Fifty Thousand Six Hundred & Eighteen and Paise Ninety Three Only

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12.02	od96651/2020_2021 : Fabrication, Supply, erection and assembling in correct position and alignment by welding SS embedded parts in 304L Grade like roller track, seal track, Seal seat etc as per approved specifications, drawings and directions of dept officer at site including cost of all materials, labour, machinery for planning, welding, grinding etc, lead and lift, conveyance, incidental and handling etc complete	559.4230	kg		567.0000	317192.84	INR Three Lakh Seventeen Thousand One Hundred & Ninety Two and Paise Eighty Four Only
13	Appendix E 9 Cost of supply and stacking material for diamond lock gate						
13.01	85.101 : Supply of MS plates conforming to IS 2062GrB Including cost of conveyance charges	48145.2300	kg		61.0000	2936859.03	INR Twenty Nine Lakh Thirty Six Thousand Eight Hundred & Fifty Nine and Paise Three Only
13.02	85.102 : Supply of MS Tees, Angles, Joists, ISMB, ISMC conforming to IS2062GrA/B Including cost of conveyance charges	10612.5440	kg		63.0000	668590.27	INR Six Lakh Sixty Eight Thousand Five Hundred & Ninety and Paise Twenty Seven Only
13.03	85.103 : Supply of MS chequerered plates including cost of conveyance charges	1426.0770	kg		66.0000	94121.08	INR Ninety Four Thousand One Hundred & Twenty One and Paise Eight Only
14	Appendix E-10 - Fabrication supply of Diamond lock gate						
14.01	od96891/2020_2021 : Fabrication and supply of Structural steel Diamond lock gate and accessories as
per approved specifications, drawings and directions of dept officer at site including cost of labour,
machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material
ready supplied	60183.8510	kg		78.0000	4694340.38	INR Forty Six Lakh Ninety Four Thousand Three Hundred & Forty and Paise Thirty Eight Only
15	Appendix E-11 -Painting of Diamond lock gate						
15.01	85.112 : Painting all the exposed surfaces of the gate and embedded parts with two coats of epoxy coal tar black paint conforming to IS14948 with a minimum film thickness of 150+/-5 microns per each coat over two coats of priming coat applied with zinc primer containing not less than 85% of zinc dry film with a film thickness of 70+/-5 microns , so that the total film thickness of all coats including priming coat at any rate is not less than 350microns over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials , labour charges , cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site	919.9540	sqm		763.0000	701924.90	INR Seven Lakh One Thousand Nine Hundred & Twenty Four and Paise Ninety Only
16	Appendix E-12 -Supply and fixing seal						

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16.01	od97139/2020_2021 : Supplying and fixing in correct position with rubber seals and Thambakam wood&br& seal on the gates including cost of SS bolts and nut all labour and machinery and incidental and conveyance&br&charges complete as per approved specification and drawing	28.0000	metre		6754.0000	189112.00	INR One Lakh Eighty Nine Thousand One Hundred & Twelve Only
17	Appendix E-13 Cost of supply and stacking material for Pintle Assembly						
17.01	85.101 : Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges	320.4700	kg		61.0000	19548.67	INR Nineteen Thousand Five Hundred & Forty Eight and Paise Sixty Seven Only
17.02	85.102 : Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges	172.3680	kg		63.0000	10859.18	INR Ten Thousand Eight Hundred & Fifty Nine and Paise Eighteen Only
17.03	85.107 : Supply of MS round bar including cost of conveyance charges	720.1600	kg		61.0000	43929.76	INR Forty Three Thousand Nine Hundred & Twenty Nine and Paise Seventy Six Only
18	Appendix E-14 Fabrication of Pintle Assembly material						
18.01	od97304/2020_2021 : Fabrication and supply of Structural steel Diamond lock gate Pintle assembly and&br&accessories as per approved specifications, drawings and directions of dept officer at site including cost of&br&labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of&br&material already supplied	1212.9980	kg		78.0000	94613.84	INR Ninety Four Thousand Six Hundred & Thirteen and Paise Eighty Four Only
19	Appendix E-15 Supply and fixing Pintle assembly						
19.01	od97316/2020_2021 : Supplying and fixing Pintle assembly and accessories as per approved&br&specifications and drawings including cost of all materials, machineries, labour, all lift and lead, incidental&br&and conveyance charges etc complete	8.0000	no		146832.0000	1174656.00	INR Eleven Lakh Seventy Four Thousand Six Hundred & Fifty Six Only
20	Appendix E-16 Cost of supply and stacking material for Pivot Assembly						
20.01	85.101 : Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges	1295.7920	kg		61.0000	79043.31	INR Seventy Nine Thousand & Forty Three and Paise Thirty One Only
20.02	85.107 : Supply of MS round bar including cost of conveyance charges	709.9200	kg		61.0000	43305.12	INR Forty Three Thousand Three Hundred & Five and Paise Twelve Only
21	Appendix E-17 Fabrication of Pivot Assembly						

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21.01	od97355/2020_2021 : Fabrication and supply of Structural steel Diamond lock gate Pivot assembly and accessories as per approved specifications, drawings and directions of dept officer at site including cost of labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material already supplied	2005.7120	kg		78.0000	156445.54	INR One Lakh Fifty Six Thousand Four Hundred & Forty Five and Paise Fifty Four Only
22	Appendix E-18 Supply and fixing Pivot Assembly						
22.01	od97368/2020_2021 : Supplying and fixing Pivot assembly and accessories as per approved specifications and drawings including cost of all materials, machineries, labour, all lift and lead, incidental and conveyance charges etc complete	8.0000	no		122360.0000	978880.00	INR Nine Lakh Seventy Eight Thousand Eight Hundred & Eighty Only
23	Appendix E-19 Cost of supply and stacking material for Rack and Pinion						
23.01	85.101 : Supply of MS plates confirming to IS 2062GB including cost of conveyance charges	5464.5070	kg		61.0000	333334.93	INR Three Lakh Thirty Three Thousand Three Hundred & Thirty Four and Paise Ninety Three Only
23.02	85.107 : Supply of MS round bar including cost of conveyance charges	334.2010	kg		61.0000	20386.26	INR Twenty Thousand Three Hundred & Eighty Six and Paise Twenty Six Only
24	Appendix E-20 Fabrication of the material for the Rack and Pinion Assembly						
24.01	od97355/2020_2021 : Fabrication and supply of Structural steel Diamond lock gate Pivot assembly and accessories as per approved specifications, drawings and directions of dept officer at site including cost of labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material already supplied	5798.7080	kg		78.0000	452299.22	INR Four Lakh Fifty Two Thousand Two Hundred & Ninety Nine and Paise Twenty Two Only
25	Appendix E-21 Supply and fixing of Rack and Pinion Assembly						
25.01	od97405/2020_2021 : Supplying and Fixing Of Rack and pinion assembly with geared motor, wheel and pinion assembly, rack, bearing 51212, etc equipments as per drawings specifications and statutory requirements	8.0000	set		249614.0000	1996912.00	INR Nineteen Lakh Ninety Six Thousand Nine Hundred & Twelve Only
26	Appendix E-22 Cost of Supply and Stacking material for Guide roller.						
26.01	85.101 Supply of MS plates confirming to IS 2062GB including cost of conveyance charges	149.8170	kg		61.0000	9138.84	INR Nine Thousand One Hundred & Thirty Eight and Paise Eighty Four Only
27	Appendix E-23 Fabrication of materials for guide roller						

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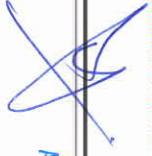
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27.01	od97355/2020_2021 : Fabrication and supply of Structural steel Diamond lock gate Pivot assembly and accessories as per approved specifications, drawings and directions of dept officer at site including cost of labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material already supplied	149,8170	kg			78,0000	11685.73	INR Eleven Thousand Six Hundred & Eighty Five and Paise Seventy Three Only
28	Appendix E-24 Supply and fixing of guide roller Assembly							
28.01	od97409/2020_2021 : Supplying and fixing Guide roller assembly and accessories as per approved specifications and drawings including cost of all materials, machineries, labour, all lift and lead, incidental and conveyance charges etc complete	16,0000	no			26429,0000	422864.00	INR Four Lakh Twenty Two Thousand Eight Hundred & Sixty Four Only
29	Appendix E-25 Erection of the Diamond Lock Shutter							
29.01	od97412/2020_2021 : Erection of the diamond lock shutter. in correct alignment and anchoring it ; setting and aligning the covers of the hoisting unit etc complete including cost of all labour, machinery, incidental and conveyance, lead and lift charges etc complete but excluding cost of materials already supplied	60183.8510	kg			7,0000	421286.96	INR Four Lakh Twenty One Thousand Two Hundred & Eighty Six and Paise Ninety Six Only
30	Appendix E-26 Conveying and Erecting Pintle assembly, Pivot Assembly, Rack and Pinion Assembly, Guide roller etc							
30.01	od97421/2020_2021 : Conveying and erecting already supplied Pintle assembly, Pivot assembly, Guide roller assembly, Rack and pinion Assembly etc	4,0000	set			58732,0000	234928.00	INR Two Lakh Thirty Four Thousand Nine Hundred & Twenty Eight Only
31	Appendix - F Electrification							

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31.01	90.14.1.2 : Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, dust and vermin proof, cubicle type MV panel board comprising of the following components/ devices & complying to IS 8623. Fabrication of fully partitioned, dust and vermin proof enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using CRCA sheet as per approved design and requirements, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc, detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required. CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etc shall not be used for the fabrication of panel assembly. The measurements will be taken the area of the complete sheets used for panel board including partitions, folding, shrouding etc.	6.0000	sqm	3011.0000	18066.00	INR Eighteen Thousand & Sixty Six Only
31.02	90.14.5 : Supply and fabrication conveyance and installation of angle iron frame work for wall mounting panel board	20.0000	kg	167.0000	3340.00	INR Three Thousand Three Hundred & Forty Only
31.03	90.14.10.4 : Supply, conveyance and fixing the following types & current rated control gears & switchgears conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as required.	1.0000	no	9953.0000	9953.00	INR Nine Thousand Nine Hundred & Fifty Three Only
31.04	90.14.10.5 : Supply, conveyance and fixing the following types & current rated control gears & switchgears conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as required.	1.0000	no	13958.0000	13958.00	INR Thirteen Thousand Nine Hundred & Fifty Eight Only
31.05	2.10.5 : Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole and neutral	8.0000	each	1632.0000	13056.00	INR Thirteen Thousand & Fifty Six Only
31.06	90.14.11.17 : Mccb Accessories	2.0000	no	4491.0000	8922.00	INR Eight Thousand Nine Hundred & Twenty Two Only
31.07	90.14.11.1 : Mccb Accessories	1.0000	no	4711.0000	4711.00	INR Four Thousand Seven Hundred & Eleven Only

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31.08	90.14.2.2 : Supply and providing 3mm SMC sheet as shrouding for bus interconnection / terminations etc. including required nut & bolt etc.	0.5000	sqm		5620.0000	2810.00	INR Two Thousand Eight Hundred & Ten Only
31.09	90.14.3.3 : Supply and providing heavy duty 'A' section neoprene gasket in the panel board	20.0000	metre		25.0000	500.00	INR Five Hundred Only
31.1	90.14.6 : Supply and providing copper bus bars including finger type SMC bus bar supports in the bus chamber, suitable size nut & bolt, providing heat shrink sleeves etc. as required.	350.0000	Cum cm		25.0000	8750.00	INR Eight Thousand Seven Hundred & Fifty Only
31.11	90.14.7 : Supply and providing copper earth bus in the panel board	150.0000	Cum cm		25.0000	3750.00	INR Three Thousand Seven Hundred & Fifty Only
31.12	od101528/2020_2021 : Supply and installation of LED indicator (R,Y,B) in the existing panel board and giving connection	6.0000	Day		325.0000	1950.00	INR One Thousand Nine Hundred & Fifty Only
31.13	od101529/2020_2021 : Supply and installation of 2A 'C' curve SP MCB in the existing panel board and giving connection.	6.0000	each		390.0000	2340.00	INR Two Thousand Three Hundred & Forty Only
31.14	od101531/2020_2021 : Supply and installation of digital mult function meter (V,A,F) in the existing panel board and giving connection	1.0000	each		8311.0000	8311.00	INR Eight Thousand Three Hundred & Eleven Only
31.15	90.11.1.10 : Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required	1.0000	each		4059.0000	4059.00	INR Four Thousand & Fifty Nine Only
31.16	2.15.2 : Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	1.0000	each		3413.0000	3413.00	INR Three Thousand Four Hundred & Thirteen Only
31.17	2.10.1 : Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole	12.0000	each		259.0000	3108.00	INR Three Thousand One Hundred & Eight Only

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31.18	1.10.3 : Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C	14.0000	point			1479.0000		20706.00	INR Twenty Thousand Seven Hundred & Six Only
31.19	1.14.1 : Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required. 2x1.5 sq.mm + 1x1.5 sq.mm earth wire	20.0000	metre			218.0000		4360.00	INR Four Thousand Three Hundred & Sixty Only
31.2	1.12 : Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	10.0000	metre			299.0000		2990.00	INR Two Thousand Nine Hundred & Ninety Only
31.21	1.31 : Supplying and fixing suitable size GI box with modular plate and cover in front on surface or inrecess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	2.0000	each			598.0000		1196.00	INR One Thousand One Hundred & Ninety Six Only
31.22	1.32 : Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	1.0000	each			740.0000		740.00	INR Seven Hundred & Forty Only
31.23	1.33 : Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	11.0000	each			97.0000		1067.00	INR One Thousand & Sixty Seven Only
31.24	1.58 : Supplying and fixing PVC batten/ angle holder including connection etc. as required.	3.0000	each			134.0000		402.00	INR Four Hundred & Two Only

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31.25	90.3.20.4 : Supply & installation of light fittings on TW round block Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required	8.0000	each			2367.0000	18936.00	INR Eighteen Thousand Nine Hundred & Thirty Six Only
31.26	90.4.5.2 : Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.	3.0000	each			2740.0000	8220.00	INR Eight Thousand Two Hundred & Twenty Only
31.27	od101596/2020_2021 : Supply & amp; installation of dust and vermin proof, 3 Phase Syntex Meter Board GS-MB-6535(size 760x450x260x) and to fix KSEEB meters, fuse units, CT etc as required including fixing it on wall, making good the damages colour washing etc. as required	1.0000	each			8891.0000	8891.00	INR Eight Thousand Eight Hundred & Ninety One Only
31.28	od101598/2020_2021 : Supply and fixing 63A HRC fuse base with fuse link in the existing meter board.	3.0000	each			357.0000	1071.00	INR One Thousand & Seventy One Only
31.29	od101599/2020_2021 : Supply and fixing 63 A, 415 V, 2 way neutral link mounted on DMC/SMC base in the existing meter board.	1.0000	each			636.0000	636.00	INR Six Hundred & Thirty Six Only
31.3	od101600/2020_2021 : Supplying & amp; fixing 6W LED bulb in the existing batten/angle holder.	3.0000	each			357.0000	1071.00	INR One Thousand & Seventy One Only
31.31	90.12.7.2 : Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages, colour washing etc. as required.	300.0000	metre			224.0000	67200.00	INR Sixty Seven Thousand Two Hundred Only
31.32	od131235/2020_2021 : Supply and fixing 100A TPN SDF in sheet steel enclosure on wall using suitable steel fasteners.	1.0000	each			14532.0000	14532.00	INR Fourteen Thousand Five Hundred & Thirty Two Only

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31.33	90.12.7.40 : Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages, colour washing etc. as required.	300.0000	metre			283.0000		84900.00	INR Eighty Four Thousand Nine Hundred Only
31.34	90.12.7.41 : Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages, colour washing etc. as required.	30.0000	metre			330.0000		9900.00	INR Nine Thousand Nine Hundred Only
31.35	9.1.32 : Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 4 X 10 sq. mm (25mm)	14.0000	set			327.0000		4578.00	INR Four Thousand Five Hundred & Seventy Eight Only
31.36	9.1.33 : Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 4 X 16 sq. mm (28mm)	4.0000	set			390.0000		1560.00	INR One Thousand Five Hundred & Sixty Only
31.37	4.1.1 : Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 100 mm width X 50 mm depth X 1.6 mm thickness	30.0000	metre			712.0000		21360.00	INR Twenty One Thousand Three Hundred & Sixty Only
31.38	4.1.2 : Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 150 mm width X 50 mm depth X 1.6 mm thickness	30.0000	metre			793.0000		23790.00	INR Twenty Three Thousand Seven Hundred & Ninety Only

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31.39	5.4 : Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	3.0000	set			14142.0000		42426.00	INR Forty Two Thousand Four Hundred & Twenty Six Only
31.4	5.13 : Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	30.0000	metre			400.0000		12000.00	INR Twelve Thousand Only
31.41	5.14 : Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	6.0000	metre			1508.0000		9048.00	INR Nine Thousand & Forty Eight Only
31.42	5.17 : Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	150.0000	metre			191.0000		28650.00	INR Twenty Eight Thousand Six Hundred & Fifty Only
31.43	od131232/2020_2021 : Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red with primer coat of red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wall bracket filled with fine sand, painting the bracket/ floor stand including making good the damages, colour washing etc. as required.(M/R)	2.0000	each			6964.0000		13928.00	INR Thirteen Thousand Nine Hundred & Twenty Eight Only
31.44	od131231/2020_2021 : Supply and providing 5 Kg. Dry Chemical Powder type Fire Extinguisher with hose and clamps including fixing it to wall as required.(M/R)	2.0000	each			6268.0000		12536.00	INR Twelve Thousand Five Hundred & Thirty Six Only
31.45	od131225/2020_2021 : Supply of 11KV electrical gloves (Vidvut)	2.0000	each			2321.0000		4642.00	INR Four Thousand Six Hundred & Forty Two Only
31.46	od131233/2020_2021 : Supply and providing 2.5mm thick, 11KV grade, synthetic elastomeric fire retardant insulating sheet	2.0000	sqm of door area			3482.0000		6964.00	INR Six Thousand Nine Hundred & Sixty Four Only
31.47	od131239/2020_2021 : Charges towards preparation of drawings, getting approvals from inspectorate and KSEB, KSEB charges for availing electric supply etc.	1.0000	L.S			92862.0000		92862.00	INR Ninety Two Thousand Eight Hundred & Sixty Two Only
31.48	od131236/2020_2021 : Supply and installation 7M long single arm galvanised octagonal pole with 22x200x12mm base plate, 4nos. 20mm dia 600mm foundation bolt, space for mounting control switch box with inspection type door at bottom, including fixing smart pack junction box with 6A SP MCB and stud terminal inside pole etc- complete (Bajaj BOP/030/leuivalent	6.0000	each			25815.0000		154890.00	INR One Lakh Fifty Four Thousand Eight Hundred & Ninety Only

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31.49	od131237/2020_2021 : Supply and installation of 70W LED street light fitting aluminium casing, toughened glass cover, assenitris beam angle of 130x50 degree with typical luminaire efficiency >85 lumen/watt. IP66 protection on existing GI pipe and giving connection. (Bajaj /Havells/equivalent	6.0000	each							37608.00	INR Thirty Seven Thousand Six Hundred & Eight Only
31.5	90.12.7.3 : Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.	60.0000	metre							15240.00	INR Fifteen Thousand Two Hundred & Forty Only
32	Appendix G : RIVER PROTECTION WORKS										
32.01	od132112/2020_2021 : Putting up ring bund of size 1 m wide at top and 1.50m wide at bottom , 4.00m height with arecanut post 5 m long driven down 1 m below ground level at 1m apart and walling pieces at 50cm apart and tying with coir yam, arecanut crosses 2m interval 1/2 th split bamboo reapers horizontally 15 cm, and tying all the members and screening with etamat on each side with puddle and clay and maintaining the bund during the period of execution and removing the bund after completing of the work etc... complete as per the direction of the departmental officers(hire and labour charges for arecanut post, walling pieces and across it).	365.0000	per metre							6380200.00	INR Sixty Three Lakh Eighty Thousand Two Hundred Only
32.02	od131848/2020_2021 : Bailing out water using pump above 5 HP and Up to 10 HP-Bailing out water with engine and pump set above 5HP and up to 10HP , including conveyance to site and erection ,cost of fuel, lubrication oil and other stores, pay of staff etc	480.0000	hour							167520.00	INR One Lakh Sixty Seven Thousand Five Hundred & Twenty Only
32.03	complete od131853/2020_2021 : Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed and as directed by Engineer in charge. All kinds of soil	939.6930	cum							327952.86	INR Three Lakh Twenty Seven Thousand Nine Hundred & Fifty Two and Paise Eighty Six Only
										349.0000	
										17480.0000	
										349.0000	

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32.04	od132060/2020_2021 : Close timbering over areas including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered). Depth exceeding 3 m but not exceeding 4.5 m as per DAR 2.18.3	560.0000	sqm	699.0000	391440.00	INR Three Lakh Ninety One Thousand Four Hundred & Forty Only
32.05	2.4.4.D : Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres Dismantling Stone Masonry - Dry rubble masonry 	127.1000	cum	1748.0000	222170.80	INR Two Lakh Twenty Two Thousand One Hundred & Seventy and Paise Eighty Only
32.06	od131896/2020_2021 : DRY RUBBLE MASONRY - Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site	1277.2500	cum	3496.0000	4465266.00	INR Forty Four Lakh Sixty Five Thousand Two Hundred & Sixty Six Only
32.07	od132723/2020_2021 : Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) As per DAR 4.1.5	14.1000	cum	6992.0000	96587.20	INR Ninety Eight Thousand Five Hundred & Eighty Seven and Paise Twenty Only
32.08	12.8.2.C.1 : Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications RCC Grade M20 With Batching Plant, Transit Mixer and Concrete Pump	3.0000	cum	6992.0000	20976.00	INR Twenty Thousand Nine Hundred & Seventy Six Only
32.09	55.25 : Lifting, conveying and fixing the newly casted RCC covering slabs of any thickness on top of drain in position including all labour charges and miscellaneous expenses etc complete	3.0000	cum	2622.0000	7866.00	INR Seven Thousand Eight Hundred & Sixty Six Only
32.1	od126817/2020_2021 : DR PACKING Under foundation - Dry stone packing under foundation with good quality blasted rubble including conveyance of material and labour charges etc. complete as per direction of departmental officers at site.As per DAR 60.7.2	107.6730	cum	2622.0000	282318.61	INR Two Lakh Eighty Two Thousand Three Hundred & Eighteen and Paise Sixty One Only

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Thiruvananthapuram - 695024

32.11	od132558/2020_2021 : DR PACKING Under foundation using departmental rubble Dry stone packing under foundation with good quality&br&blasted rubble including conveyance of material&br&labour charges etc. complete as per direction&br&of departmental officers at site.	88.9700	cum	2185.0000	194399.45	INR One Lakh Ninety Four Thousand Three Hundred & Ninety Nine and Paise Forty Five Only
32.12	12.8.A.1 : Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15	108.0000	cum	7866.0000	849528.00	INR Eight Lakh Forty Nine Thousand Five Hundred & Twenty Eight Only
32.13	13.5.A : Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M15 - Height upto 5m	306.0000	cum	10488.0000	3209328.00	INR Thirty Two Lakh Nine Thousand Three Hundred & Twenty Eight Only
32.14	12.40 : Supply, Fitting and Placing un-coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications	2.7900	MT	71668.0000	199953.72	INR One Lakh Ninety Nine Thousand Nine Hundred & Fifty Three and Paise Seventy Two Only
32.15	13.6 : Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications	9.1800	MT	71668.0000	657912.24	INR Six Lakh Fifty Seven Thousand Nine Hundred & Twelve and Paise Twenty Four Only
32.16	od45860/2020_2021 : Coconut Pile - Supplying and stacking well matured straight coconut post for driving down through various strata bellow bed level including cost conveyance labour charges etc complete.	2232.0000	metre	349.0000	778968.00	INR Seven Lakh Seventy Eight Thousand Nine Hundred & Sixty Eight Only
32.17	od45661/2020_2021 : Coconut Pile - Driving down coconut pile to lines and levels through various strata including all hire charges and labour for fixing , staging platform and all other appliances necessary for pile driving down after pointing the bottom end	2232.0000	metre	349.0000	778968.00	INR Seven Lakh Seventy Eight Thousand Nine Hundred & Sixty Eight Only
32.18	od45892/2020_2021 : PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.	107.2000	metre	262.0000	28086.40	INR Twenty Eight Thousand & Eighty Six and Paise Forty Only
32.19	od132059/2020_2021 : Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with&br&collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1&br& cement : 2 fine sand) including testing of joints etc. complete. &br&1000 mm dia. R.C.C. pipe As per DAR 19.6.11	4.0000	metre	17480.0000	69920.00	INR Sixty Nine Thousand Nine Hundred & Twenty Only
Total in Figures				243610473.15	INR Twenty Four Crore Thirty Six Lakh Ten	

Quoted Rate in Words

FOR KERALA INFRASTRUCTURE PRIVATE LIMITED

INR Twenty Four Crore Thirty Six Lakh Ten Thousand Four Hundred & Seventy Three and Paise Fifteen



AUTHORISED SIGNATORY

Managing Director

Kerala Irrigation Infrastructure Development Corporation Ltd.
Thiruvananthapuram - 695024