

No.KAICO/HO/Tech/STP/Njaraneeli/TVM/2017-18

Dated : 27.01.2018

To

Shri.
Empanel Contractor
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Sir,

Sub:- Tender Schedule in respect of the Project of Providing 80 KLD Sewage Treatment Plant –Providing vegetable gardening, Drip irrigation and Flushing system at Njaraneeli in 7 Acre land in Trivandrum (Dist) under ST Department - reg.

Ref:- Last date of receipt of Tender documents dated : 12.02.2018 at 4.00 PM

This is to inform that the first phase of the Project of providing 80 KLD Sewage Treatment Plant, providing vegetable gardening drip irrigation and flushing system at Njaraneeli in 7 Acre land in Trivandrum (Dist) to be arranged with immediate effect and to be completed within the minimum time. The Project mainly covers civil works and the details of items of works with schedules etc has been published in our website www.keralaagro.com Please download the schedule of all works from our website, quote your rate and the same may be submitted to this Office on or before 12.02.2018 at 4.00PM. The documents should be covered with sealed cover only and the same will be opened on 12.02.2018 at 4.30 PM in the presence of available contractors. An amount of Rs. 500/- (Rupees Five hundred only) to be remitted towards cost of tender schedule.

The tender covers two parts ie, 1st and 2nd part respectively. 1st part contains Technical bids and 2nd part includes Financial bids.

Technical bids:- It includes the following

1. Experience certificate should be produced in the similar work with relevant documents.
2. Copies of turnover of last three financial years.
3. Details of similar type of Project under taken.
4. Technical and financial bid should be submitted on separate sealed cover.

Those who have achieved the Technical score will be opened for Financial evaluation.

In this connection we also bring your notice that the details of plans and all other details of work etc can be obtained from KAICO, Head Office, Thiruvananthapuram from 29.01.2018 to 09.02.2018 on office time between 10 AM to 5 PM.

Thanking You,

Yours faithfully,
For THE KERALA AGRO INDUSTRIES CORPORATION LIMITED,

MANAGING DIRECTOR

GENERAL ABSTRACT

SL NO	DESCRIPTION	COST IN Rs
1	80 KLD SEWAGE TREATMENT PLANT	
a	CIVIL WORK	3,242,020.00
2	PROVIDING VEGETABLE GARDENING ,DRIP IRRIGATION & FLUSHING SYSTEM	
a	Vegetable Gardening	139,668.00
b	Drip Irrigation	72,381.00
c	Flushing System	628,168.00
	Total	4,082,237.00
	Deduct 10 % Company profit	408,223.70
	Net Amount	3,674,013
(Rupees Thirty six lakhs seventy four thousand and thirteen only)		

TENDER SCHEDULE FOR CONSTRUCTION OF SEWAGE TREATMENT PLANT AT NJARANEELI

PART I

SI No	Description of items	Unit	Qty	Rate in figures	Rate in words	Amount
1	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal within a lead of 50m.	m3	406.98	251.23	Two Hundred Fifty One Rupees and Twenty Three Paise	102245.59
1 a	2.26.1 Extra for every additional lift of 1.5 m or part thereof in excavation	m3	184.78	78.13	Seventy Eight Rupees and Thirteen Paise	14436.86
2	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc.	m3	61.56	189.86	One Hundred Eighty Nine Rupees and Eighty Six Paise	11687.78
3	5.9.1 Providing Centering and shuttering including strutting etc. and removal of form for Foundations, footings etc.	m3	15.77	292.83	Two Hundred Ninety Two Rupees and Eighty Three Paise	4617.93
4	4.1 Providing and laying in PCC in CC 1:4:8 with 40 mm MSA (graded) up to plinth level	m3	13.88	6761.11	Six Thousand Seven Hundred Sixty One Rupees and Eleven Paise	93844.21
5	5.9.2 Providing shuttering form work for RCC in CC M25 with 20mm MSA for structural concrete as per CPWD specification	m2	606.73	571.61	Five Hundred Seventy One Rupees and Sixty One Paise	346812.94
6	5.3 Providing RCC work in beams, walls, upto floor level in CC M25 with 20 mm MSA with 1:1.5:3	m3	94.48	11158.6	Eleven Thousand One Hundred Fifty Eight Rupees and Sixty Three Paise	1054267.36

7	5.22.6 Providing Fe-500 grade steel as reinforcement of for RC walls floors etc.	Kg	10197.14	85.14	Eighty Five Rupees and Fourteen Paise	868184.50
8	5.9.1 Providing centering and shuttering for PCC in CC 1:3:6 with 20 mm aggregate	m3	29.2	292.83	Two Hundred Ninety Two Rupees and Eighty Three Paise	8550.64
9	4.2.5 Providing & laying in PCC in CC 1:3:6 with 20 mm MSA for Machine yard	m3	37.84	9047.85	Nine Thousand Forty Seven Rupees and Eighty Five Paise	342370.64
10	13.7.2 12 mm cement plaster finished with a floating coat of neat cm 1:4	m2	418.4	323.4	Three Hundred Twenty Three Rupees and Forty Paise	135310.56
11	51.13.21.1 Water proof plastering with cm 1:3 , 12 mm thick plaster finished with a floating coat of neat cement mixed with water proof compound of approved make @ 2 Kg / cm2 of mix floated hard & trowelled smooth.	m2	303.2	856.5	Eight Hundred Fifty Six Rupees and Fifty Paise	259690.80
	GRAND TOTAL					3,242,020
	Deduct company profit (10 %)					324,201.98
	Accepted PAC					2,917,818
(Rupees Twenty nine lakhs seventeen thousand eight hundred and eighteen only)						

I hereby agreed to execute the works @

.....% Below Estimate rate

.....% Above Estimate rate

..... Estimate rate

MANAGING DIRECTOR

TENDER SCHEDULE FOR PROVIDING VEGETABLE GARDENING , DRIP IRRIGATION AND FLUSHING SYSTEM**FLUSHING SYSTEM****PART II**

SI No	Description of items	Unit	Qty	Rate in figures	Rate in words	Amount
1	Providing and fixing PVC pipes, fitting including fixing the pipe with clamps at 1.00 m spacing.This includes jointing of pipes & fittings with one step PVC solvent cementand testingof joints complete as per direction of Engineer in Charge.Concealed work, including cutting chases and making good the walls etc. 25 mm pipe 10 kgf/cm ²	m	50	195.103	One Hundred Ninety Five Rupees and Ten Paise	9755.15
2	Providing and fixing PVC pipes, fitting including fixing the pipe with clamps at 1.00 m spacing.This includes jointing of pipes & fittings with one step PVC solvent cementand testingof joints complete as per direction of Engineer in Charge. 25 mm pipe 10 kgf/cm ² -Exposed on wall	m	250	221.281	Two Hundred Twenty One Rupees and Twenty Eight Paise	55320.25
3	Providing and fixing PVC pipes, includes joints of pipes with one step PVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. 110 mm dia 4 Kgf / cm ²	m	315	424.524	Four Hundred Twenty Four Rupees and Fifty Two Paise	133725.06
4	Providing and fixing PVC pipes, includes joints of pipes with one step PVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. 110 mm dia 4 Kg / cm ² - Exposed on wall	m	200	265.902	Two Hundred Sixty Five Rupees and Ninety Paise	53180.4
5	Providing and fixing PVC pipes including joints of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in charge. 32 mm dia 6 kgf/cm ²	m	100	181.024	One Hundred Eighty One Rupees and Two Paise	18102.4

6	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in charge. 63 mm dia 4 Kgf/cm2	m	200	259.992	Two Hundred Fifty Nine Rupees and Ninety Nine Paise	51998.4
7	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.	One Litre	15000	10.95	Ten Rupees and Ninety Five Paise	164250
8	Providing and fixing PVC moulded fittings/accessories for RIGID PVC pipes, including jointing with PVC solvent cement - 63 mm dia Elbow	no	10	71.52	Seventy One Rupees and Fifty Two Paise	715.2
9	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63 mm dia Bend	no	25	77.91	Seventy Seven Rupees and Ninety One Paise	1947.75
10	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63 mm dia Socket/coupling	no	25	65.14	Sixty Five Rupees and Fourteen Paise	1628.5
11	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63x50 mm dia Reducer	no	2	62.23	Sixty Two Rupees and Twenty Three Paise	124.46
12	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow	no	6	106.05	One Hundred Six Rupees and Five Paise	636.3
13	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia 45 degree Elbow	no	6	103.73	One Hundred Three Rupees and Seventy Three Paise	622.38
14	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Door Elbow	no	2	130.44	One Hundred Thirty Rupees and Forty Four Paise	260.88

15	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Bend	no	4	159.48	One Hundred Fifty Nine Rupees and Forty Eight Paise	637.92
16	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Tee	no	5	173.18	One Hundred Seventy Three Rupees and Eighteen Paise	865.9
17	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia offset	no	6	162.97	One Hundred Sixty Two Rupees and Ninety Seven Paise	977.82
	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in:					
18	Cement morar 1:4 (1 cement :4 coarse sand)	m3	2.01	7504.16	Seven Thousand Five Hundred Four Rupees and Sixteen Paise	15083.36
19	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 @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	m2	30	1124.5	One Thousand One Hundred Twenty Four Rupees and Fifty Paise	33735
						543567.13
20	Supplying and fixing 5 HP monoblock pump 568 model with double impeller including all required fitting and erection etc, complete.	LS	2			74100

21	Existing septic tank open and required portion cutting with drilling machine and connect the line etc. complete.	LS	2			3300
22	Supplying and fixing electrical panel board for electrical purpose	LS	1			7200
Grand Total						628167.13
Deduct company profit (10 %)						62,816.71
Accepted PAC						565,350
(Rupees Five lakhs sixty five thousand three hundred and fifty only)						

I hereby agreed to execute the works @

.....% Below Estimate rate

.....% Above Estimate rate

..... Estimate rate

MANAGING DIRECTOR

TENDER SCHEDULE FOR PROVIDING DRIP IRRIGATION

PART III

SI No	Description of items	Unit	Qty	Rate in figures	Rate in words	Amount
1	Providing and fixing PVC pipes, including jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 32 mm pipe 10 kgf/cm ²	m	75	198.389	One Hundred Ninety Eight Rupees and Thirty Eight Paise	14879.175
2	Providing and fixing PVC pipes, including jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 40 mm pipe 10 kgf/cm ²	m	45	232.346	Two Hundred Thirty Two Rupees and Thirty Four Paise	10455.57
3	Providing and fixing PVC pipes, includes joints of pipes with one step PVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. 50 mm dia 6 Kgf / cm ²	m	120	200.289	Two Hundred Rupees and Twenty Eight Paise	24034.68
	EXTRA WORK					
	Details -B					
4	Providing and fixing 50 mm control valve fitting and testing as per direction of Engineer - in- charge	Nos	1	754.27	Hundred Fifty Four Rupees and Twenty Seven Paise	754.27
	Details -C					

5	Laying and fixing tube OD 16 mm CL2 x 400 MTR , fitting and testing as per direction of Engineer - in - charge	m	500	20.92	Twenty Rupees and Ninety Two Paise	10460
6	Laying and fixing Poly Grommet take 16 x 13 mm, fitting and testing as per direction of Engineer - in - charge	Nos	100	10.04	Ten Rupees and Four Paise	1004
7	Laying and fixing Barbed Poly Joiner 16 mm, fitting and testing as per direction of Engineer - in - charge	Nos	50	5.02	Five Rupees and Two Paise	251
8	Laying and fixing Lateral end stop "8" shape 16 mm, fitting and testing as per direction of Engineer - in - charge	Nos	100	5.02	Five Rupees and Two Paise	502
9	Laying and fixing J-loc dripper, fitting and testing as per direction of Engineer - in - charge	Nos	2000	5.02	Five Rupees and Two Paise	10040
GRAND TOTAL						72381
Deduct company profit (10 %)						7,238.07
Accepted PAC						65,143
(Rupees Sixty five thousand one hundred and forty three only)						

I hereby agreed to execute the works @

.....% Below Estimate rate

.....% Above Estimate rate

..... Estimate rate

MANAGING DIRECTOR

TENDER SCHEDULE FOR PROVIDING VEGETABLE FARMING**PART IV**

SI No	Description of items	Unit	Qty	Rate in figures	Rate in words	Amount
1	Neem cake	GM	215	26.5	Twenty Six Rupees and Fifty Paise	5697.5
2	Phosphate	GM	145	15	Fifteen Rupees and Zero Paise	2175
3	Bonemeal	GM	145	21	Twenty One Rupees and Zero Paise	3045
4	Cow dung	KG	2500	15	Fifteen Rupees and Zero Paise	37500
5	Vermi compost	GM	575	22	Twenty Two Rupees and Zero Paise	12650
6	Venda	NOS	175	2	Two Rupees and Zero Paise	350
7	Vazhuthana	NOS	75	2	Two Rupees and Zero Paise	150
8	Kathiri	NOS	75	2	Two Rupees and Zero Paise	150
9	Neelan payar	NOS	100	2	Two Rupees and Zero Paise	200
10	Thondan mulak	NOS	100	2	Two Rupees and Zero Paise	200
11	Kari mulak	NOS	100	2	Two Rupees and Zero Paise	200
12	Cheeni amara	NOS	150	2	Two Rupees and Zero Paise	300
13	Poosanikka	NOS	60	2	Two Rupees and Zero Paise	120
14	Thakkali	NOS	100	2	Two Rupees and Zero Paise	200

15	Vellari	NOS	50	2	Two Rupees and Zero Paise	100
16	Kuttivalari	NOS	50	2	Two Rupees and Zero Paise	100
17	Chembu	NOS	50	8	Eight Rupees and Zero Paise	400
18	Chena	NOS	50	30	Thirty Rupees and Zero Paise	1500
19	Maracheeni	NOS	231	5	Five Rupees and Zero Paise	1155
20	Bnendran	NOS	21	15	Fifteen Rupees and Zero Paise	315
21	Morris	NOS	21	15	Fifteen Rupees and Zero Paise	315
22	Rasakadhali	NOS	50	15	Fifteen Rupees and Zero Paise	750
23	Handling charges @ 2.5%					
24	Good Earth (Red soil)	m3	300	43.8	Forty Three Rupees and Eighty Paise	13140
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	m2	300	10.87	Ten Rupees and Eighty Seven Paise	3261
	Ploughing existing ground to a depth of 15 cm to 25 cm and watering the same					
	All kinds of soils	m2	300	21.29	Twenty One Rupees and Twenty Nine Paise	6387

2	Spreading of sludge , dump manure and / or good earth in required thickness as per direction of officer - in -charge (cost of sludge ,dump manure and /or good earth to be paid separately)	m3	14	46.73	Forty Six Rupees and Seventy Three Paise	654.22
3	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer -in -charge	m3	14	32.23	Thirty Two Rupees and Twenty Three Paise	451.22
4	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20 % :1 part of stacked volume of manure after reduction by 8%) flooding with water , dressing including removal of rubbish and surplus earth , if any ,with all leads and lifts (cost of manure , sludge or extra good earth if needed to be paid for separately)	holes	900	47.03	Forty Seven Rupees and Three Paise	42327
	Holes 60 cm dia, and 60 cm deep					
5	Plantation of trees , shrubs, and hedge at site i/c watering and removal of unsaverieable materials as per direction of officer - in -charge	no	40	6.42	Six Rupees and Forty Two Paise	256.8
	cost of plantation per trees plants (for 100 nos = 427.45 /100)					
6	Plantation of trees , shrubs, and hedge at site i/c watering and removal of unsaverieable materials as per direction of officer - in -charge	no	1050	3.25	Three Rupees and Twenty Five Paise	3412.5
	cost of plantation per trees plants (for 200 nos = 427.45 /100)					
7	Fine dressing of the ground	m2	300	3.25	Three Rupees and Twenty Five Paise	975

8	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8 % for payment)	m3	4.774	257.72	Two Hundred Fifty Seven Rupees and Seventy Two Paise	1230.36
GRAND TOTAL						139667.595
Deduct company profit (10 %)						13,966.76
Accepted PAC						125,701
(Rupees One lakh twenty five thousand seven hundred and one only)						

I hereby agreed to execute the works @

.....% Below Estimate rate
.....% Above Estimate rate
..... Estimate rate

MANAGING DIRECTOR