

LETTER OF ACCEPTANCE

To,
Sri/Smt M/s.SIVADHASAN K.S.
PAN : BDGPS8128F

Your e-Tender No WRD/KWA-CE(CR)/TR/17102/2022_5_1_1/1 dated 15-09-2023 for the Jal Jeevan Mission (JJM)-Providing FHTCs in Mulankunnathukavu Pt. in Thrissur District-Phase 3-Supply, erection, Testing and commissioning of Floating Pontoon with Submerged type Pump sets and Pressure filter.-5th SLSSC- Package-VII-General Civil Work has been accepted for a quoted amount of **Rs. 18246600/- (Rupees One Crore Eighty Two Lakh Forty Six Thousand Six Hundred only)** based on rates quoted for individual items which is mentioned in the accompanying schedule. You are directed to submit the stamp GRN ID/Stamp paper, Performance Guarantee and Additional Performance Guarantee as mentioned below and execute an agreement and start the work within a week after getting necessary instructions from the **Executive Engineer(P H Division Thrissur),Assistant Executive Engineer(WW Sub Division Thrissur) and Assistant Engineer(Water Works Section No 1 Thrissur)**. The time allowed for executing agreement without fine will be **14 (Fourteen)** days from the date of issue of letter of acceptance and a further period of **10 (Ten)**days time will be allowed to execute the agreement after realizing a fine of **Rs. 25000/- (Twenty Five Thousand Only)** .This fine shall be remitted in favour of the Managing Director, Kerala Water Authority, Account No - STSB 701011400000181, District Treasury, Thiruvananthapuram through e-treasury payment gateway.

1. stamp paper required value **RS. 18250/- (Eighteen Thousand Two Hundred and Fifty Only)** shall be submitted to the Agreement Authority. (subject to govt orders)

2. Before executing the agreement, you should deposit a Performance Guarantee of **3%** of contract value, ie. **Rs. 547398/- (Rupees Five Lakh Forty Seven Thousand Three Hundred and Ninety Eight only)** and should be submitted within **14 (Fourteen)** days of receipt of this LOA (Letter of Acceptance) as below.

a) At least **Fifty (50%)** of Performance Guarantee shall be in the form of Treasury Fixed Deposit in the name of Agreement Authority for a period not less than 28 (twenty eight) days after the completion of defect liability period.

b) Balance Performance Guarantee shall be in the form of bank guarantee. Bank Guarantee is to be submitted in the format prescribed by the Employer in the bid document. Bank Guarantee shall be unconditional and it shall be from any Nationalized/ Scheduled Bank/ Kerala Financial Corporation/ District Co-operative Banks, Primary Co-operative Banks, Urban Co-operative Banks or any other forms prescribed in the revised PWD Manual to be submitted before executing agreement and shall be valid till 28 (twenty eight) days after the completion of defect liability of the Work, in approved format. The Bank Guarantee on instalment basis with lesser period of validity shall not be accepted.

3. An Additional Performance Guarantee of **Rs. 56039/- (Rupees Fifty Six Thousand Thirty Nine only)** shall be also deposited for unbalanced price in addition to the normal Performance Guarantee in the following form and it should be to be submitted before executing agreement.

a) At least Fifty percent (50%) of Additional Performance Guarantee shall be in the form of Treasury Fixed Deposit in the name of Agreement Authority for a period not less than 28 (twenty eight) days after the completion of the work.

b) Balance Additional Performance Guarantee Treasury shall be in the form of bank guarantee. Bank Guarantee is to be submitted in the format prescribed by the Employer in the bid document. Bank Guarantee shall be unconditional and it shall be from any Nationalized/ Scheduled Bank/ Kerala Financial Corporation/ District Co-operative Banks, Primary Co-operative Banks, Urban Co-operative Banks or any other forms prescribed in the revised PWD Manual and shall be valid till 28(twenty eight) days after the completion of the Work, in approved format. The Bank Guarantee on instalment basis with lesser period of validity shall not be accepted.

OR

- a) Full amount of additional performance guarantee shall be accepted in case of guarantees issued by Kerala Financial Corporation
4. In addition to Performance Guarantee and Additional Performance Guarantee, Performance Security Deposit at the rate 2.5% of Bill amount will be deducted from running bills .
5. Solicitor's fee, if any, to be paid to the Law Officers of Government for scrutinising or drawing up of agreements- will be paid and the same recovered from the successful bidder.
6. You are requested to take an Insurance cover for this work for an amount of Rs. **200000** /- (**Rupees Two Lakh only**) and submit the same within 15 days of Start of work subjected to the provisions provided in the Bid Document. 0.2% of the Contract Amount will be deducted in the event of failure to submit the Insurance to the concerned Authorities as noted above. (The value shall be generally 0.5% of the Contract Value subject to a minimum of Rs. 2.00 lakh and maximum of Rs. 5.00 lakh.).
7. Engineering personnel in addition to other supporting staff as detailed below for tenure of the contract for works supervision shall be employed.
Works Manager- 1no (Civil Engineering Graduate with minimum 3 years experience) and Site Engineers- 2 nos (one Civil Engineering graduate and one civil diploma holder with minimum 1 year experience).
8. The Contractor shall enter into a Contract Agreement with the Agreement Authority within 14 Fourteen working days from the date of 'Acceptance of Tender' or within such extended time as may be granted by the Agreement Authority. The date of despatch of Letter of Acceptance through Contractors Portal shall be the date of Acceptance of Tender.
9. In the eventuality of failure to produce the original documents, or submit the performance security, or enter into agreement with the Agreement Authority within the specified time limit, the Bidder shall be debarred in future from participating in all Government Bids for three years and will be recommended for blacklisting by the competent authority. In such cases, the Government may rearrange the work otherwise or get it done departmentally at the risk and the cost of the Bidder and the loss so sustained by the Government can be realized from the Bidder under the Revenue recovery Act or otherwise the Government may decide.
10. The work should be completed in all respects within **6 months** from the date of handing over the site.
11. Defect Liability period will be **6 months 1 year**
12. All the details mentioned above shall be submitted to the Agreement Authority within 14 (fourteen) days from the date of 'Acceptance of Tender' or within such extended time as may be granted by the Agreement Authority.
13. All the terms and conditions of the Notice Inviting tenders and tender shall be binding on the Contractor.

Suma P A(G11682)
Superintending Engineer

ACCEPTED SCHEDULE

Name of Work: Jal Jeevan Mission (JJM)-Providing FHTCs in Mulankunnathukavu Pt. in Thrissur District-Phase 3-Supply, erection, Testing and commissioning of Floating Pontoon with Submerged type Pump sets and Pressure filter.-5th SLSSC- Package-VII-General Civil Work (DSR 2018 with Cost Index 135.59)

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
1	Part A - Excavation work and Site Levelling					
1.001	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	1000.000	sqm	8.00	8000.00	Rupees Eight Thousand Zero Zero Only
1.002	2.7.2 - Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.Hard rock (requiring blasting)	120.000	cum	393.00	47160.00	Rupees Forty Seven Thousand One Hundred Sixty Zero Only
1.003	2.9.2 - Excavation work 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 soils as directed, within a lead of 50 m.Hard rock (requiring blasting)	58.800	cum	425.00	24990.00	Rupees Twenty Four Thousand Nine Hundred Ninety Zero Only
2	Construction of floating intake					
2.001	OD183859/2022-2023 - Supply & erection of floating intake for accommodating 2 nos submersible pump sets, RWPM of 140 mm HDPE pipe 65 m X 2nos and SS	2.000	no	5895979.82	11791959.64	Rupees One Crore Seventeen Lakh Ninety One Thousand Nine Hundred Fifty Nine And Sixty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	flexible pipe of 140 mm, 15 m x 2nos , all cabling works with proper casing pipe for pump set with additional provision of 1 set cabling, control panel for pump set panel board as per the design, walkway for monitoring the monitoring and transportation for pump set, proper anchoring to prevent mooring of floating structure, and all allied work for commissioning the floating intake structure including the cost of pump set with motor, Starter, pipes, electrical cabling works, Capacitor ,panel board works , all electrical work, pipe line for RW PM, power supply etc...Discharge-26 lps Head-16 m					Four paise Only
3	supply & fixing of pressure filter and Chlorine dosage system					
3.001	OD183861/2022-2023 - Design, supply , erection and commissioning of vertical MS cylindrical multi grade and pressure filter with suitable accessories such as dished ends painted extremely with epoxy enamel paint one coat, red oxide one coat, two coat enamel paint of approved color including cost of all front pipes works, valves, filter media and other incidental works etc. After constructing suitable size basement and RCC platform for the pressure filter , including trial running with the following parameters. Model - Vertical, Dish end thickness- suitable as per IS, Shell thickness- Suitable as per IS, top distributor - suitable as per IS, bottom collector - Suitable As per IS, Maximum flow rate- 23.15 LPS, HOS- sand, pipe size- Suitable as per IS, material construction- Mild steel, painting internal- non corrosive, working hours- 24 hrs, 50mm air valve - 1number, Pressure gauge - 2Nos as per IS, Discharge - 26 lps , head 16 m, filter media- as per IS including automation work	1.000	no	1190537.50	1190537.50	Rupees Eleven Lakh Ninety Zero Thousand Five Hundred Thirty Seven And Fifty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
3.002	OD189379/2022-2023 - Design, Supply and installation based on site conditions and as directed by the Engineer in charge and commissioning of 1 No of Chlorine Dosing System with all necessary accessories. The chlorine solution shall be directly injected to the system at suitable point by using suitable chemical dosing pump (mechanical diaphragm pump) having adjustable discharge up to 10 lts/Hr, at a delivery pressure of 15 kg/cm ² so as to maintain required residual chlorine in the treated water as per the norms including all accessories such as suitable angle stand to fix the pump set, best quality 100 lts PVC tank to the correct alignment and wiring from existing panel board to the pump set by using power cables encased in PVC conduit and trail running, etc	1.000	no	60000.00	60000.00	Rupees Sixty Zero Thousand Zero Zero Only
4	Construction of 75000 L GLSR Cum Pump House					
4.001	2.6.1 - Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil	10.956	cum	234.98	2574.44	Rupees Two Thousand Five Hundred Seventy Four And Forty Four paise Only
4.002	2.7.1 - Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. Ordinary rock	4.320	cum	455.47	1967.63	Rupees One Thousand Nine Hundred Sixty Seven And Sixty Three paise Only
4.003	2.7.3 - Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth,	1.728	cum	1313.30	2269.38	Rupees Two Thousand Two Hundred Sixty Nine And Thirty Eight

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.Hard rock (blasting prohibited)					paise Only
4.004	4.1.6 - 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 40 mm nominal size)	5.347	cum	7917.11	42332.79	Rupees Forty Two Thousand Three Hundred Thirty Two And Seventy Nine paise Only
4.005	5.33.1 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work upto plinth level	2.327	cum	10335.13	24049.85	Rupees Twenty Four Thousand Zero Forty Nine And Eighty Five paise Only
4.006	5.33.2 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate,	52.001	cum	12148.99	631759.63	Rupees Six Lakh Thirty One Thousand Seven Hundred Fifty Nine And Sixty Three paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level					
4.007	5.34.1 - Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).	52.001	cum	90.13	4686.85	Rupees Four Thousand Six Hundred Eighty Six And Eighty Five paise Only
4.008	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	5200.100	kilogram	107.92	561194.79	Rupees Five Lakh Sixty One Thousand One Hundred Ninety Four And Seventy Nine paise Only
4.009	5.9.1 - Centering and shuttering including strutting, etc. and removal of form for: Foundations, footings, bases of columns, etc for mass concrete	10.560	sqm	358.82	3789.14	Rupees Three Thousand Seven Hundred Eighty Nine And Fourteen paise Only
4.010	5.9.2 - Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	148.400	sqm	786.31	116688.40	Rupees One Lakh Sixteen Thousand Six Hundred Eighty Eight And Forty Zero paise Only
4.011	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	82.370	sqm	895.61	73771.40	Rupees Seventy Three Thousand Seven Hundred Seventy One And Forty Zero paise Only
4.012	5.9.5 - Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers	37.190	sqm	710.85	26436.51	Rupees Twenty Six Thousand Four Hundred Thirty Six And Fifty One paise Only
4.013	5.9.19 - Centering and shuttering including strutting,	6.615	sqm	988.28	6537.47	Rupees Six Thousand Five

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	etc. and removal of form for: Weather shade, Chajjas, corbels etc., including edges					Hundred Thirty Seven And Forty Seven paise Only
4.014	50.6.1.3 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 Part I of 1979 for super structure above floor two level up to floor V level thickness 20cm and above in: CM 1:6 (1 cement :6 coarse sand) etc complete	15.048	cum	8338.70	125480.76	Rupees One Lakh Twenty Five Thousand Four Hundred Eighty Zero And Seventy Six paise Only
4.015	21.1.1.2 - Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately): For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	4.500	kg	589.67	2653.52	Rupees Two Thousand Six Hundred Fifty Three And Fifty Two paise Only
4.016	21.1.2.2 - For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating	4.500	kg	706.08	3177.36	Rupees Three Thousand One Hundred Seventy Seven And Thirty Six paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	50 micron)					
4.017	21.3.1 - Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in - Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness	4.500	sqm	1287.08	5791.86	Rupees Five Thousand Seven Hundred Ninety One And Eighty Six paise Only
4.018	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	67.500	kg	234.14	15804.45	Rupees Fifteen Thousand Eight Hundred Four And Forty Five paise Only
4.019	10.6.2 - Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.20 mm M.S. laths with 1.20 mm thick top cover	5.760	sqm	3424.15	19723.10	Rupees Nineteen Thousand Seven Hundred Twenty Three And Ten paise Only
4.020	10.7 - Providing and fixing ball bearing for rolling shutters.	1.000	no	537.69	537.69	Rupees Five Hundred Thirty Seven And Sixty Nine paise Only
4.021	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	277.740	sqm	440.50	122344.47	Rupees One Lakh Twenty Two Thousand Three Hundred Forty Four And Forty Seven

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						paise Only
4.022	13.44.1 - Finishing walls with water proofing cement paint of required shade:New work (Two or more coats applied @ 3.84 kg/10 sqm)	76.800	sqm	117.88	9053.18	Rupees Nine Thousand Zero Fifty Three And Eighteen paise Only
4.023	13.48.1 - Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per m a n u f a c t u r e r s 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	259.050	sqm	179.01	46372.54	Rupees Forty Six Thousand Three Hundred Seventy Two And Fifty Four paise Only
4.024	13.48.3 - Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per m a n u f a c t u r e r s specifications:Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	100.000	sqm	160.40	16040.00	Rupees Sixteen Thousand Zero Forty Zero Only
4.025	10.25.2 - Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	100.000	kg	169.27	16927.00	Rupees Sixteen Thousand Nine Hundred Twenty Seven Only
4.026	OD190612/2022-2023 - Supplying and fixing 150mm MS Wall casting pipes	5.000	each	10693.69	53468.45	Rupees Fifty Three Thousand Four Hundred Sixty Eight And Forty Five paise Only
4.027	OD190629/2022-2023 - Supplying and fixing 100 mm CI Wall casting pipes	4.000	each	8400.62	33602.48	Rupees Thirty Three Thousand Six Hundred Two And Forty Eight paise Only
4.028	18.31.3.2 - Providing and	4.000	no	8325.75	33303.00	Rupees Thirty

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	fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertion etc. (the tail pieces if required will be paid separately): 150 mm diameterClass II					Three Thousand Three Hundred Three Only
4.029	18.31.1.2 - Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertion etc. (the tail pieces if required will be paid separately): 100 mm diameterClass II	1.000	no	5569.51	5569.51	Rupees Five Thousand Five Hundred Sixty Nine And Fifty One paise Only
4.030	OD191099/2022-2023 - Fabricating, supplying and fixing water level indicator for Tank/sump 3.0m long using 30x30x5 mm MS angle frame work, graduations are marked on hylam sheet using weather proof stickers, moving MS plate indicator with reflective stickers, counter weight ball in perforated PVC pipe 140mm size connected with plastic twine running through brass pulley and all arrangements are enclosed in casing pipe etc complete	1.000	each	11615.00	11615.00	Rupees Eleven Thousand Six Hundred Fifteen Only
4.031	10.26.3 - Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approves steel primer.G.I. pipes	853.584	kg	204.21	174310.39	Rupees One Lakh Seventy Four Thousand Three Hundred Ten And Thirty Nine paise Only
5	Supply, erection, commissioning of 40 HP CF Motor Pump Set 2 nos					
5.001	OD189476/2022-2023 - (1) Supply, erection, testing and commissioning of KWA pre-qualified reputed make Centrifugal motor Pump set (Discharge 26 lps, Head- 81 m) with Bronze/SS impeller, SS shaft and CI pump casing with suitable type base plate with coupling, coupling guard foundation bolts & nuts etc. complete suitable for coupling the pump and motor above the base plate etc. complete including providing suitable concrete foundation including cost of cement sand and metal etc.	2.000	no	1465059.91	2930119.82	Rupees Twenty Nine Lakh Thirty Zero Thousand One Hundred Nineteen And Eighty Two paise Only

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	<p>Complete.(2)Motor: Supply, erecting testing & commissioning of KVA prequalified reputed make horizontal solid shaft foot mounted TEFC squirrel cage induction motor suitable for the above pump working 3 phase 50 Hz AC supply, working voltage 415 volt/3300 volt. The motor shall confirm to IE2/IE3 as per IS 12615-2018 including providing suitable concrete foundation including cost of cement sand and metal, etc. Flexible coupling shall be used for coupling of pumps and motors (3) STARTER - Supply, erection, testing and commissioning of a soft starter suitable for the above motor with over voltage and under voltage protection, single phase preventer, over load relay with motor protection relay with main contact and bypass contact as per CEA regulations 2010 and code of practice etc. complete. (4) Panel board - Supply, erection, testing and commissioning of cubical type floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable capacity MCCB as incomer and 2 Nos of suitable capacity MCCBs as out goings for motor soft starters with interlocking facility with each other, fitted with 3 nos of indicator lamps, 1 No. volt meter with selector switch, 1 No. Ammeter with selector switch etc. Complete and provided with a common eart (5). CABLING WORK - Supply, laying, testing and commissioning of suitable size XLPE cables for the above pump set from panel board to starter and from starter to motor , considering energy conservation. (6) EARTHING - Supply of all materials and providing suitable earthing by using suitable size pipe/plate earthing GI/copper strip buried in ground and giving</p>					

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	<p>double earthing to motor, starter, panel board etc. as per IE standards. (7). CAPACITOR - Supply, erection, testing and commissioning of heavy duty APP capacitor for the motor to get a power factor above 0.95. The capacitor shall confirm to IS 2834 (8) VALVES- Supply of suitable size best quality heavy duty ISI marked CI double flanged sluice valve and Non return valve with suitable pressure rating. Fitting of valves shall include proper RCC support especially for Non return valves, In case of positive suction pump set sluice valve should be in suction as well as delivery sides for easy repair works(PN 1.6). (9). SUCTION AND DELIVERY PIPE CONNECTIONS - Supply and fitting of suitable size best quality MS pipe Class B for a total length of 10m. Suitable for the above pump set and suitable size foot valve and connection the suction pipe and valve with suitable flanges,nut & bolts,IR Sheet etc complete and connection the delivery side of the pump with the valves and suitable specials to connect with the pumping main including 2 years Warranty period.</p>					

The above work awarded to the contractor SIVADHASAN K.S.,BDGPS8128F, at his quoted rate for individual items at a total accepted PAC 18246600(One Crore Eighty Two Lakh Forty Six Thousand Six Hundred Only) as per the condition of the contract.