



KERALA WATER AUTHORITY

No KWA/HWD/DB2-5849/2018/WO.709

Office of the Executive Engineer
Head Works Division, Aruvikkara
Dated: 25.01.2020

From

The Executive Engineer

To

M/S USHUS ENERGY SYSTEMS PVT LTD
KINFRA, Enadimangalam, Adoor, Pathanamth
itta, pin691524.

Sub:- Unmanned security watch tower made of High mast pole of height 16m installed with high resolution cctv and LED flood lights at Aruvikkara and Peppara. - Work Order- Reg

Ref:- 1.Your offer for tender no. 90/2019-20/HWD opened on 11.12.2019 at 3.30 pm
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Sir,

With reference to the above, M/S USHUS ENERGY SYSTEMS PVT LTD, Contractor is hereby informed that your tender for the above work is accepted for an amount of Rs.1850564/-, at the rate quoted by you i.e 8%Below Estimate Rate. You are directed to attend this office on or before 10.02.2020 with the required stamp paper and the Treasury savings bank pass book for the security mentioned below and execute an agreement and to start the work within a week after getting necessary instructions from the Asst. Executive Engineer, Water supply Sub Division, Aruvikkara

- 1 Before executing the agreement on stamp paper, the contractor should deposit in any one of the Government Treasuries in Kerala, under the Saving Bank account, duly pledging the same on behalf of the Executive Engineer, Head Works Division, Aruvikkara, a security of Rs.92600/- (Rupees Ninety Two Thousand Six hundred Only.) for the due fulfilment of the contract, for which the necessary form for opening the Savings Bank can be had from this office.
- 2 Any failure in this direction will be liable to result in the forfeiture of the earnest money and the cancellation of the proposed contract and the contractor shall be liable to pay the Government the entire loss that may be caused to the Government by the retender or re-arrangement of the work or otherwise consequent on the contractor's failure to execute the agreement or execute the work, as provided for in the clause 13 of the notice inviting tenders and all such loss shall be recovered from him under the provisions of "Revenue Recovery Act" or otherwise vide the G.O.(P) 245/76/PW dated 19/11/1976.
- 3 It must be understood that on no account will the rates once fixed be increased.
- 4 The work should be completed within Four month from the date of this order.
- 5 All the terms and conditions of the notice inviting tenders and the tender shall be binding on this contract also.
- 6 The following documents are also to be produced for executing the agreement.
 - (i) Kerala Stamp paper worth Rs. 1900/-
 - (ii) Specification book - 3 sets
 - (iii) File cover - 3Nos.

Acc:- Accepted Schedule - 1No.

Copy to The Assistant Executive Engineer, WS Sub Division, Aruvikkara
The Assistant Engineer, Aruvikkara-IV
File/Agreement/RAO

Yours faithfully,


Executive Engineer



KERALA WATER AUTHORITY
HEAD WORKS DIVISION, ARUVIKKARA
ACCEPTED SCHEDULE

Name of Work :- Unmanned security watch tower made of High mast pole of height 16m installed with high resolution cctv and LED flood lights at Aruvikkara and Peppara.

Tender No. 90/2019-20/HWD

Opened on 11.12.2019 at 3.30 pm

Sl.No	Qty.	Specification	Unit	Rate	Rate in words	Amount
1	900.00 m2	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15cm deep and disposal of rubbish,lead up to 50m and lift up to 1.5.All kinds of soil	m2	19.24	Rs One thousand three hundred and seventy five & Ps Twenty three only	17316.00
2	13.50 m3	Earth work in excavation by mechanical means (Hydraulic excavation)/manual means in foundation trenches or drain (not exceeding 1.5min width or 10 sqm on plan),including dressing of sides and ramming of bottoms,lift up to 1.5m including getting out the excavated soil and disposal of surplus excavated soil as direted within a lead of 50m. All kinds of soil	m3	229.52	Rs Two hundred and twenty nine & Ps fifty two only	3098.52
3	1.35 m3	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)	m3	6795.81	Rs Six thousand seven hundred and ninety five & Ps eighty one only	9174.34

Sl.No	Qty.		Specification	Unit	Rate	Rate in words	Amount
4	14.40	m2	Centering and shuttering including strutting,etc, and removal of form for foundations,footings,bases of columns,etc. for mass concrete.	m2	267.52	Rs Two hundred and sixty seven & Ps Fifty two only	3852.29
5	564.64	kg	Steel reinforcement for R C C work including straightening,cutting,bending placing in position and binding all complete upto plinth level Thermno-Machanically treated bars of grade FE-500 D or more	kg	78.07	Rs Seventy eight & Ps Seven only	44081.44
6	14.08	m3	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)	m3	8572.83	Rs Eight thousand five hundred and seventy two & Ps Eighty three only	120671.16
7	4.00	no	Supply,delivery and installation of high mast pole of following specifications on an already prepared concrete foundation using 8 nos of M25 foundation bolts pole made with s355 grade galvanised steel, ctagonal shape,16mm height,top/bottom size 140/410mm,thickness of section min 3mm and baseplate 550mm square,20-25mm thick. 2 nos of winches with capacity 750 kg and 6mm wire ropes to hold lights and cameras.	no	272440.74	Rs Two lakhs seventy two thousand four hundred and forty & Ps Seventy four only	1089762.96

No	Qty.	Specification	Unit	Rate	Rate in words	Amount
8	16.00 no	Supply and providing LED Flood light 200W of make(Havells/Crompton/Luker) with in built driver and surge protection up to 2KVA and IP65 protection.	no	16062.14	Rs Sixteen thousand and sixtytwo & Ps Forteen only	256994.24
9	4.00 set	Supply and providing control panel for pole lighting enclosed in weather proof box with key consists of 1 no of WCCB,6 nos of MCB's Digital timer fuse kit neutral link and earth.	set	15340.60	Rs Fifteen thousand three hundred and forty & Ps Sixty only	61362.40
10	3.00 set	Supply and installation of 8 nos of high quality CCTV cameras(Dahua,hikvision,Panasonic)2MP,20x, PTZ IR night vision with motorized zoom on focus to a point and connecting cable, 8 channel DVR 2TB with WiFi GSM moble connectivity modem and 22" HD LED Monitor(LG,Samsung,HP) and UPS not less than 1KVA. Inclusive of 2 year on site warranty and service	set	76912.87	Rs Seventy six thousand nine hundred and twelve & ps Eighty seven only	230738.61
11	700.00 m	Supplying and laying 2.5sqmm 2 core PVC/XLPE insulated armoured control cables with copper conductors for working voltages up to and including 1100V	m	176.55	Rs One hundred and seventy six & Ps Fifty five only	123585.00
12	116.00 m	Supplying and laying 3x1.5 sqmm flexible FRLS PVC sheathed flat copper conductor cable	m	145.00	TRs One hundred and fortyfive only	16820.00
13	500.00 m	Supply and wiring 1x1.5sqmm copper earth wire	m	37.17	Rs Thirty seven & Ps seventeen only	18585.00

Sl.No	Qty.	Specification	Unit	Rate	Rate in words	Amount
14	2.00 no	Supply and providing pipe earthing as per IS 3043 with 3.6 m long 40mm dia B class GI pipe,GI funnel with weld mesh,filling required quality of charcoal&salt including construction of inspection chamber of size 300x300x300 with cover.	no	4994.45	Rs Four thousand nine hundred and ninety four & Ps Fortyfive only	9988.90
15	4.00 no	Supplying and fixing 40amps rating 2 pole,240 volts,MCB(legrand,Havells,ABB)in the existing DB complete with connections,testing and commissioning etc.as required.	m	1363.14	Rs One thousand threehundred and sixty three & Ps Forteen only	5452.56

2011483.42

ACCEPTED PROBABLE AMOUNT OF CONTRACT

Note:- Applicable GST will paid extra

Tendered PAC(Labour)

2011483/-

Tender Deduction on labour (8%)

160919/-

Accepted rate for material

Nil

Accepted PAC

1850564/-

This work is awarded to the Contractor M/S USHUS ENERGY SYSTEMS PVT LTD, KINFRA,Enadimangalam,Adoor,Pathanamthitta,pin691524. for an amount of `1850564/- (Rupees Eighteen Lakh Fifty Thousand Five hundred Sixty Four Only.) ie. 8%Below Estimate Rate

CONTRACTOR

EXECUTIVE ENGINEER