



3	128/TR/AEE/17-18 (പുനർ ഭരണം )	പാലക്കുഴ എൽ.ഐ സ്കീമിലെ മോട്ടോർ പമ്പുകളുടെ ഓവറോളിംഗ് പ്രവർത്തികൾ	100000	500 + GST	2500/	10 ദിവസം
4	129/TR/AEE/17-18 (പുനർ ഭരണം )	എം.വി.ഐ.പി സർക്കിൾ ഓഫീസ് സമുച്ചയത്തിന്റെ റി വയറിംഗ് ജോലികൾ	200000	500 + GST	5000/	30 ദിവസം
5	130/TR/AEE/17-18 (പുനർ ഭരണം )	ഭൂതത്താൻകെട്ട് ട്രി ഹൗസിന്റെ വയറിംഗ് ജോലികളും അനുബന്ധ പ്രവർത്തികളും	200000	500 + GST	5000/	30 ദിവസം
6	131/TR/AEE/17-18 (പുനർ ഭരണം )	പുതുക്കാട് എൽ ഐ സ്കീമിൽ 75 എച്ച് പി മോട്ടോറിന്റെ റിവെൻഡിംഗ് പ്രവർത്തികൾ	68000	500 + GST	1700/	10 ദിവസം
7	132/TR/AEE/17-18 (പുനർ ഭരണം )	ചാലക്കുടി ഐ.ഐ.പി. (എഫ് ടൈപ്പ്) ക്വാർട്ടേഴ്സുകളുടെ വയറിംഗ് - 3 എണ്ണം	200000	500 + GST	5000/	30 ദിവസം
8	133/TR/AEE/17-18 (പുനർ ഭരണം )	ചാലക്കുടി ഐ.ഐ.പി. ക്വാർട്ടേഴ്സുകളുടേയും സെക്ഷൻ ഓഫീസിന്റെയും വയറിംഗ് (ആർ.ബി.സി.2, ആർ.ബി.സി.3, എഫ്.7, എഫ്.8)	200000	500 + GST	5000/	30 ദിവസം
9	134/TR/AEE/17-18 (പുനർ ഭരണം )	ചാലക്കുടി ഐ.ഐ.പി. (ഇ.ഡി) ക്വാർട്ടേഴ്സുകളുടെ വയറിംഗ്	200000	500 + GST	5000/	30 ദിവസം
10	135/TR/AEE/17-18	മലയാറ്റൂർ ഐ.ഐ.പി ഐ.ബി ഓഫീസ് ബിൽഡിംഗിന്റെ ഇലക്ട്രിക്കൽ പുനരുദ്ധാരണ പ്രവർത്തികൾ.	160000	500 + GST	5000/	30 ദിവസം

11	136/TR/AEE/17-18	ഐ.ഐ.പി ഭൂതത്താൻകെട്ട് പവലിയൻറെ വയറിംഗ് ജോലികളും അനുബന്ധ പ്രവർത്തികളും	200000	500 + GST	5000/	30 ദിവസം
12	137/TR/AEE/17-18	എം.വി.ഐ.പി കൂത്താട്ടുകുളം കാളിറ്റി കൺട്രോൾ ലാബിൻറെ ഇലക്ട്രിക്കൽ പ്രവർത്തികൾ	40000	300 + GST	1000/	10 ദിവസം
13	138/TR/AEE/17-18	നെടുവന്നൂർ എൽ.ഐ സ്കീമിലെ 50 HP മോട്ടോറിൻറെ റിവൈൻഡിംഗ് ജോലികൾ	38000	300 + GST	1000/	7 ദിവസം
14	139/TR/AEE/17-18	ശ്രീഭൂതപുരം നം:1 എൽ.ഐ സ്കീമിൽ 250 കെ.വി.എ ട്രാൻസ്ഫോർമറിൻറെ ഓവറോളിംഗും അനുബന്ധ പ്രവർത്തികളും	200000	500 + GST	5000/	10 ദിവസം
15	140/TR/AEE/17-18	കാഞ്ഞൂർ എൽ .ഐ സ്കീമിൽ 60 HP മോട്ടോർപമ്പ് സ്ഥാപിക്കുന്നതിനോട് അനുബന്ധിച്ചുള്ള പ്രവർത്തികൾ	93000	500 + GST	2500/	7 ദിവസം

**കരാറുകാരുടെ യോഗ്യത**

- 1) ക്രമനമ്പർ 1,2,3,6,13,14,15 മുതലായ പ്രവർത്തികൾക്ക് ജലസേചനം / കുടിവെള്ളം തുടങ്ങിയ ആവശ്യങ്ങൾക്കുള്ള ഉയർന്നശേഷി പമ്പ് സെറ്റുകളുടെ ( 50 എച്ച് പി യും അതിന്മുൻകൂട്ടിയുള്ള ഇലക്ട്രിക്കൽ മോട്ടോർ പമ്പ് സെറ്റുകളുടെ ) അടിയന്തിര അറ്റകുറ്റപ്പണികൾ , റിവൈൻഡിംഗ് , പരിപാലനം തുടങ്ങിയ മേഖലകളിൽ ചുരുങ്ങിയത് ഒരു വർഷത്തെ പ്രവർത്തി പരിചയമുള്ള പൊതുമരാമത്ത് വകുപ്പ് ഇലക്ട്രിക്കൽ കരാറുകാർ.



- 2) മേൽ യോഗ്യതുള്ള കരാറുകാരുടെ അഭാവത്തിൽ എസ് എസ് ഐ രജിസ്ട്രേഷനും ബന്ധപ്പെട്ട ജോലിയിൽ മുൻ പരിചയവും ഉള്ള സ്ഥാപനങ്ങളുടെ ടെണ്ടറുകൾ പരിഗണിക്കുന്നതാണ്.
- 3) ക്രമനമ്പർ 4,5,7,8,9,10,11,12 മുതലായ പ്രവർത്തികൾക്ക് പൊതുമരാമത്ത് വകുപ്പ് ഇലക്ട്രിക്കൽ എ/ ബി/ സി/ വിഭാഗം ലൈസൻസും ബന്ധപ്പെട്ട ജോലിയിൽ മുൻ പരിചയമുള്ള പൊതുമരാമത്ത് വകുപ്പ് ഇലക്ട്രിക്കൽ കരാറുകാർ.

ദർഘാസുമായി ബന്ധപ്പെട്ട എല്ലാ വിവരങ്ങളും പ്രവർത്തി ദിവസങ്ങളിൽ ഈ ആഫീസിൽ ലഭ്യമാണ് . ജലസേചന വകുപ്പിലെ ദർഘാസ് സംബന്ധിച്ച മറ്റ് വ്യവസ്ഥകൾ മേൽ പ്രവർത്തികളുടെയും ബാധകമാണ്.



*(Handwritten signature)*

അസിസ്റ്റന്റ് എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ

വൈദ്യുത വിഭാഗം( ഇറിഗേഷൻ ) സബ് ഡിവിഷൻ ആലുവ

(കേരള ഗവർണ്ണർക്കു വേണ്ടി )

To,

- അസിസ്റ്റന്റ് എഞ്ചിനീയർ , വൈദ്യുത വിഭാഗം( ഇറിഗേഷൻ ) സെക്ഷൻ ആലുവ
- അസിസ്റ്റന്റ് എഞ്ചിനീയർ , വൈദ്യുത വിഭാഗം( ഇറിഗേഷൻ ) സെക്ഷൻ കാലടി
- അസിസ്റ്റന്റ് എഞ്ചിനീയർ , വൈദ്യുത വിഭാഗം( ഇറിഗേഷൻ ) സെക്ഷൻ രാമമംഗലം
- അസിസ്റ്റന്റ് എഞ്ചിനീയർ , എം.വി.ഐ.പി. ഇലക്ട്രിക്കൽ സെക്ഷൻ , മുവാറ്റുപുഴ
- ഐ. റ്റി. സെൽ തിരുവനന്തപുരം, നോട്ടീസ് ബോർഡ്, ഓഫീസ് ഫയൽ

## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 126/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000/-

P.A.C.Rs.

198163

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of work:- Mace: of L I S 2016-17 .Urgent dismantling of 30 HP motor pump sets , base plate , pipe,panel , providing concrete foundation , Electrification works and refitting motor pump set at Erappanpara LIS

SLN o.	Qty	Particulars	Rate	Rate in words	Unit	Amount
<b>Part - A - Dismantling and refitting of motor pump , pipe , panel etc</b>						
1	30	mtr	Charges for dismantling the 250 / 200 / 150 mm MS suction and delivery side pipe , valve etc of 30 HP old and new motor pump sets piece by piece after providing scaffolding and stacking at station compound	208.00	Rupees Two Hundred Eight Only	mtr 6240.00
2	1	set	Charges for dismantling the 30 HP old , New Motor , pump , baseplate and 3 HP Vacuum motor pump set from the foundation after disconnecting all wire leads and placing to the floor of the shed conveniently .	4369.00	Rupees Four Thousand Three Hundred Sixty Nine Only	E 4369.00
3	1	set	Charges for dismantling the panel board , metre board etc after disconnecting all wire leads and placing to the floor of the shed conveniently .	1594.00	Rupees One Thousand Five Hundred Ninty Four Only	E 1594.00
4	1	set	Charges for conveying the motor and accessories as in above item No 1 , 2 , & 3 from the pump house to the temporary shed near to the pump house compound by lifting ,pulling and pushing using sleepers , rope etc and placed conveniently on the shed	4424.00	Rupees Four Thousand Four Hundred Twenty Four Only	E 4424.00
5	4	m3	Charges for demolishing the existing concrete foundation excavate the ground by using special tools and deposite the demolished concrete bloks outside the pump house	2127.00	Rupees Two Thousand One Hundred Twenty Seven Only	m3 8508.00
6	3	m3	Earth work excavation in ordinary soil and depositing with a lead up to 50 m and lift above 3.00 m but up to 4.50 m including neat banking	163.01	Rupees One Hundred Sixty Three & Paise One Only	m3 407.53
7	5	m3	Supply and providing 1:2:4 cement concrete using 20 mm size brocken stone including all cost , conveyance ,labour charges , form work ,watering , curing etc complete for motor foundation as per the direction of the departmental officers at site	7186.63	Rupees Seven Thousand One Hundred Eighty Six & Paise Sixty Three Only	m3 32339.84

8	1	No	Fabrication, supply, conveyance, erection and commissioning of MS baseplate suitable for 30 HP coupled type Motor pump set made from 125 x 65 x 5 mm " C " channel with suitable size MS channel/ angle/plate cutting into size and shape and welded together, fixing in position on required 1:2:4 cc foundation with foundation bolt, nut and washer and necessary curing etc. complete including conveyance, hire and labour charges (excluding cost of cc) as per the direction of the departmental officers at site	18582.00	Rupees Eighteen Thousand Five Hundred Eighty Two Only	E	18582.00
9	8	mtr	Supply, fabrication, conveyance and fixing 250 mm size MS pipe having 6mm sheet thickness including welding 12 mm MS flanges with drilled holes on both sides of every 1.5/2 mtr or nearest length using rubber packing, bolt, nut, and washer and painting two coats of synthetic enamel paint over a coat of red oxide primer	4111.00	Rupees Four Thousand One Hundred Eleven Only	mtr	32888.00
10	4	mtr	Supply, fabrication, conveyance and fixing 150 mm size MS pipe having 6mm sheet thickness including welding 12 mm MS flanges with drilled holes on both sides of every 1.5/2 mtr or nearest length using rubber packing, bolt, nut, and washer and painting two coats of synthetic enamel paint over a coat of red oxide primer	2313.00	Rupees Two Thousand Three Hundred Thirteen Only	mtr	9252.00
11	1	set	Charges for conveying back the motor and accessories as in above item No 1, 2, & 3 from temporary shed near to the pump house compound to pump house by pulling and pushing using sleepers, rope etc and placed conveniently on the shed	4424.00	Rupees Four Thousand Four Hundred Twenty Four Only	E	4424.00
12	1	set	Charges for refitting the panel board, meter board, all the Motor and pump, vacuum motor pump in position, coupling with pulley, checking correct alignment, giving connection to panel, metre board, motor etc.	6930.00	Rupees Six Thousand Nine Hundred Thirty Only	E	6930.00
13	20	mtr	Charges for refitting the 200 / 250 mm MS suction, delivery pipe of 50 HP motor pump sets piece by piece after providing scaffolding using fresh rubber packing bolts nuts etc.	328.00	Rupees Three Hundred Twenty Eight Only	mtr	6560.00
14	22	kg	Fabrication, supply, conveyance and installation of <i>angle iron frame work</i> for erecting the old 30 HP starter for the motor using suitable size angle iron cut and welded to shape including painting with two coats of synthetic enamel paint over a coat of zinc chromate primer, bolting the frame using required bolt and nuts, fixing the whole to the wall, making good the damages etc. as required.	126.00	Rupees One Hundred Twenty Six Only	kg	2772.00
15	1	set	Supply and providing 150 mm or suitable size Tail end piece in place of damaged one	1650.00	Rupees One Thousand Six Hundred Fifty Only	E	1650.00

16	10	m2	Charges for painting the rusted 250 / 200 mm suction side pipe with two coats of Synthetic Enamel paint over a coat of red oxide primer after scrapping , cleaning etc .	178.00	Rupees One Hundred Seventy Eight Only	m2	1780.00
<b>Part - B Electrification works</b>							
1			Supply and wiring points according to IS 732-1989 using rigid PVC ivory conduit of minimum size 20 mm conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade,including providing switch board main ,and continuous earthing with 1.5sqmm green coloured FR wire , required qty of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required.				
a	2	Nos	Single control light point without ceiling rose	823.00	Rupees Eight Hundred Twenty Three Only	E	1646.00
b	4	Nos	Single control light point with 6A, 3 plate ceiling rose	841.00	Rupees Eight Hundred Forty One Only	E	3364.00
c	1	Nos	Combined plug point with 6 A, 5 pin plug socket controlled by 6 A switch in the same switch board as that of light points.	421.00	Rupees Four Hundred Twenty One Only	E	421.00
d	1	Nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	1498.00	Rupees One Thousand Four Hundred Ninty Eight Only	E	1498.00
2	1	Nos	Supply and installation of suitable size <i>MS rod type fan clamp</i> as per IS 732 as required.	124.00	Rupees One Hundred Twenty Four Only	E	124.00
3	2	Nos	Supply and fixing <i>cast aluminium stove enameled bulk head fitting</i> with deep drawn anodised aluminium body, epoxy powder coated, heat resistant prismatic glass cover suitable for 9 W CFL to wall / ceiling including giving connections with required length of 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS or extending the original wiring and making good the surface as required.	601.00	Rupees Six Hundred One Only	E	1202.00
4			Supply and providing the following types and power rated <i>lamps</i> in the existing fittings as required				
a	2	No	Normal size 15 W BC / ES retrofit CFL	167.00	Rupees One Hundred Sixty Seven Only	E	334.00

b	2	Nos	Dwarf size 11 W BC / ES / E14 retrofit CFL	156.00	Rupees One Hundred Fifty Six Only	E	312.00
5	1	No	Supply, and fixing of pre-wired 1x36/40 W fluorescent fittings with lamps etc. directly on wall with T.W round block 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..	696.00	Rupees Six Hundred Ninty Six Only	E	696.00
6	1	No	.....do....2x36/40W Out door type street light fitting complete with standard accessories.....do....fixing on 32mm or nearest size classB GI pipe bend to shape and giving connection..do..	1923.00	Rupees One Thousand Nine Hundred Twenty Three Only	E	1923.00
7	2	No	Supply and fixing angle / straight brass lined skirt type, <i>bakelite batten holder</i> with 200mm polished aluminium shade and giving connection etc as required	137.00	Rupees One Hundred Thirty Seven Only	E	274.00
8			Supply and fixing the following sizes of <i>PVC Conduit</i> conforming to IS 9537 / 1983 part III along with all required accessories <i>on surface</i> including making good the damages etc as required.	171.00	Rupees One Hundred Seventy One Only	m	
a	6	Mtr	20 mm dia light gauge	83.00	Rupees Eighty Three Only	m	498.00
b	10	Mtr	40 mm dia medium gauge	171.00	Rupees One Hundred Seventy One Only	m	1710.00
9			<i>Supply</i> , conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories <i>excluding resistance type regulator</i> , 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.				
a	1	No	1200 mm sweep - 5 star rated	1853.00	Rupees One Thousand Eight Hundred Fifty Three Only	E	1853.00
10			Supply and drawing 650/1100 V grade <i>PVC insulated stranded single core copper conductor cables</i> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.				
a	6	Mtr	2.5 sq mm 2 run	81.00	Rupees Eighty One Only	m	486.00
b	4	Mtr	4.00 sq mm 2 run	106.00	Rupees One Hundred Six Only	m	424.00
c	32	Mtr	25.00 sq mm 1 run	311.00	Rupees Three Hundred Eleven Only	m	9952.00
11			Supply of superior quality <i>copper tubular cable socket</i> and making core termination of cables of the following sizes including crimping etc. as required.				
a	18	Nos	25 sq mm	32.00	Rupees Thirty Two Only	E	576.00



12	2	No	Supply and providing plate earthing as per IS 3043 with 600x600x6.30 mm GI/CI earth plate, 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of charcoal including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but excluding test joint, earth continuity conductor to the plate, and covering at the top. (in ordinary soil)	3917.00	Rupees Three Thousand Nine Hundred Seventeen Only	m	7834.00
13	2	No	Supply and providing 300 x 300 x 6 mm cast iron gully trap with covering at the top of the inspection chamber of earth pit as required	267.00	Rupees Two Hundred Sixty Seven Only	E	534.00
14	1	m	Supply and providing test joint for the earthing system using 2 Nos of 2 x 25 x 6 mm GI strips including cutting and bending to shape, drilling necessary holes and fixed to the watering pipe etc as required.	242.00	Rupees Two Hundred Forty Two Only	m	145.20
15	6	m	Supply and providing earth lead from the test joint to the earth electrode of size 6 SWG and firmly fixing on the plate and test joint etc	120.00	Rupees One Hundred Twenty Only	m	720.00
16			Supply and laying bare <i>earthing conductors</i> of the following sizes <i>laid 0.6 m below ground level including excavating trench</i> of suitable size and refilling etc. as required ( <i>in ordinary soil</i> ).				
a	20	m	4.75 mm copper conductor (6 SWG)	144.00	Rupees One Hundred Forty Four Only	m	2880.00
17			Supply and drawing bare <i>earthing conductors</i> of the following sizes <i>along with wiring/ cables</i> and giving connection as required.				
a	36	m	6.00 mm copper conductor (6 SWG)	133.00	Rupees One Hundred Thirty Three Only	m	4788.00
b	10	Mtr	2.00 mm copper conductor (14 SWG)	26.00	Rupees Twenty Six Only	m	260.00
18			supply of superior quality <i>copper earth socket</i> for the following sizes of earth conductor including crimping etc. as required.				
a	8	Nos	2.00 mm (14 SWG)	18.00	Rupees Eighteen Only	E	144.00
b	14	Nos	6.00 mm (6 SWG)	31.00	Rupees Thirty One Only	E	434.00
19	1	m	S & F 25 x 6 mm Copper flat earth bus with drilled holes and tinning the points of contacts etc	1055.00	Rupees One Thousand Fifty Five Only	m	527.50
20			Supply and providing the following sizes of <i>bolt and nut</i> with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required				
a	4	Nos	25 x 3mm brass bolt & nut	17.00	Rupees Seventeen Only	E	68.00
b	10	Nos	25 x 6 mm brass bolt & nut	20.00	Rupees Twenty Only	E	200.00

21	6	m	Supply and laying 15 mm class B GI pipe as earth lead protection in 0.6 Mtr below ground	90.00	Rupees Ninty Only	m	540.00
22			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				
a	1	Nos.	6 way single phase double cover (IP 42/43)	1456.00	Rupees One Thousand Four Hundred Fifty Six Only	E	1456.00
23			Supply and installation of the following <i>accessories</i> suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required				
a	1	Nos	40 A double pole mini break isolator	356.00	Rupees Three Hundred Fifty Six Only	E	356.00
b	3	Nos	6-32A( C curve)	219.00	Rupees Two Hundred Nineteen Only	E	657.00
c	1	Nos	25 A, 2 pole, 30 mA RCCB	2023.00	Rupees Two Thousand Twenty Three Only	E	2023.00
24			Supply & Fixing the following types/ sizes of boxes suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required ( <i>ROHS</i> )				
a	1	Nos	3 module metal box in recess	180.00	Rupees One Hundred Eighty Only	E	180.00
25			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. (RoHS)				
a	1	Nos	3 module white/ off-white	116.00	Rupees One Hundred Sixteen Only	E	116.00
26			Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group B)				
a	1	Nos	16 A SP 1 way switch	161.00	Rupees One Hundred Sixty One Only	E	161.00
b	1	Nos	6/16 A socket	223.00	Rupees Two Hundred Twenty Three Only	E	223.00
27			Supply, fabrication, conveyance and fixing the following sizes of B class <i>GI pipe bent to shape / cut and welded to shape</i> and fixing the same to wall / parapet using clamps as noted along with each size, painting with 2 coats of synthetic enamel paint over a coat of zinc chromate primer, making good the damages, colour washing etc as required (for the installation of outdoor light fittings).				
	2	mtr	32 mm dia with clamps made from 20 x 3 mm MS flat	299.00	Rupees Two Hundred Ninty Nine Only	mtr	598.00



KERALA IRRIGATION DEPARTMENT (Electrical Wing)

TENDER SCHEDULE

Tender No : 127 /TR/AEE/2017-18

T O C : 15 days

EMD . Rs. 5000 /-

P.A.C.Rs. 197352

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

**KERALA IRRIGATION DEPARTMENT**

**Name of work:Palakkuzha LIS-Standardisation of electrical installations in connection with change sesonal consumer.**

Sl. No.	Qty.		Specification	Rate	Rate in words	Unit	Amount
1	1	No	Supply and installation of TOD meter of class 0.2 S make L&T or Equalant in the existing energy meter cubicle of the 11KV sub station in the premisis of near the LI Scheme as per the instruction of the Engineer in charge of the department	38488.00	Rupees Thirty Eight Thousand Four Hundred Eighty Eight Only	E	38488.00
2	1	No	Supply and installation of CT PT metering unit , ct ratio 20/5 ampere of accuracy class 0.2 S and pt ratio 11kv/110v of accuracy class .2s make UNI POWER or Equalant( PWD Approved) in the place of existing CTPT unit of the 11KV sub station in the premisis of near the LI Scheme as per the instruction of the Engineer in charge of the department	120912.00	Rupees One Lakh Twenty Thousand Nine Hundred Twelve Only	E	120912.00
3	1	set	Filtration of transformer oil in the existing 315 KVA transformer to improve BDV of oil using stream line filter machine (400 litre of oil),including transportation of filter machine,hiring dg set of 63 kva,transportation charge of dg set and necessary diessel for working of DG set,as per the instruction of engineer in chrg.	30952.00	Rupees Thirty Thousand Nine Hundred Fifty Two Only	LS	30952.00
4	1	LS	KSEB Charges for change to the sesonal consumer	7000.00	Rupees Seven Thousand Only	LS	7000.00
						PAC Rs.	<b>197352</b>

ASSISTANT EXECUTIVE ENGINEER

I..... do hereby agree to undertake to execute the work at..... ( in words.....) % below/above/ Estimate Rate.

CONTRACTOR

ASSISTANT EXECUTIVE ENGINEER


## KERALA IRRIGATION DEPARTMENT (Electrical Wing.)

## TENDER SCHEDULE

Tender No : 128 /TR/AEE/2017-18

T O C : 10 days

EMD . Rs. 2500 /-

P.A.C.Rs. 94451

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

**Name of work:Palakkuzha LIS-Overhauling of motor and pump set and connected electrical accessories in Palakkuzha LI Scheme****PART-1**

Sl. No.	Qty.	Specification	Rate	Rate in words	Unit	Amount
1	2 Nos	Charges for dismantling the 100 HP split case pump and taking out the impeller shaft assembly and placing to the floor of the pump house, dismantling the same parts by parts, cleaning the pump case, chamber case, reconditioning the damaged parts, attending minor works etc and assembling the impeller shaft assembly using fresh gland packing, gasket packing, grease, shellac etc. Refitting the pump using fresh bolt, nut etc.and making the same in good working condition etc complete.	8343.00	Rupees Eight Thousand Three Hundred Forty Three Only	E	16686.00
2	2 Nos	Reconditioning the slipring unit of 100HP motor, by levelling, and polishing the uneven surface of the roller, reconditioning and checking the brush carrier assembly, cleaning the holder, adjusting the spring tension and making the sliprings and brush carrier assembly in good working condition.	784.00	Rupees Seven Hundred Eighty Four Only	E	1568.00
3	1 Nos	Charges for dismantling the 3HP vaccum pump and taking out the impeller shaft assembly and placing to the floor of the pump house, dismantling the same parts by parts, cleaning the pump case, chamber case, reconditioning the damaged parts, attending minor works etc and assembling the impeller shaft assembly using fresh gland packing, gasket packing, grease, shellac etc. Refitting the pump using fresh bolt, nut etc.and making the same in good working condition etc complete.	2206.00	Rupees Two Thousand Two Hundred Six Only	E	2206.00
4	2 Nos	Dismantling the OSR starter and regulator of 100 HP motor parts by parts, draining out the oil, cleaning the tank, terminal contacts, cutting, levelling and polishing the contacts wherever necessary, checking the tripping mechanism, replacing the damaged wires, attending minor repairs, refilling fresh best quality Transformer oil, refitting, resetting and making the starter in good working condition including scrapping, cleaning and painting with two coats of enamel paint.	3560.00	Rupees Three Thousand Five Hundred Sixty Only	E	7120.00



5	##	Ltr.	Supply and filling best quality Transformer Oil to the transformer including conveyance charges	173.00	Rupees One Hundred Seventy Three Only	Ltr.	17300.00
6	50	M	Charges for Painting 300mm MS pipe of delivery side of Motor pumpset with a coat of redoxide primer and two coat of synthetic enamel paint after thoroughly scrapping and cleaning.	237.00	Rupees Two Hundred Thirty Seven Only	E	11850.00
7			<b>Power capacitors suitable for motors</b>				
7a	3	Nos	5 KVAR, 3 phase, 440 V, delta connected Metalised Poly Propylene Capacitor suitable for direct connection to motors.	1209.00	Rupees One Thousand Two Hundred Nine Only	E	3627.00
7b	3	Nos	12.5 KVAR, 3 phase, 440 V, delta connected Metalised Poly Propylene Capacitor suitable for direct connection to motors.	2973.00	Rupees Two Thousand Nine Hundred Seventy Three Only	E	8919.00
8	67	m2	Charges for for painting the Transformer, P.T,Energy meter cubicle, Motor pump, 11KV pole structure, pole arms, AB switch unit etc with a coat of redoxide primer and two coats of metal enamel paint after thoroughly scrapping and cleaning.(Aluminum paint in pole structure,gray colour in others)As per the instruction by the Engineering in charge.	270.00	Rupees Two Hundred Seventy Only	E	18090.00
9	1	Set	Charges for taking Silica gel from breather of the transformer, removing moisture from it, supply the same if any deficiency/ bad and refilling it in the breather in good condition.	618.00	Rupees Six Hundred Eighteen Only	E	618.00
10	1	Set	Charges for cleaning the 11KV Line materials, Insulators etc using petrol, cotton waste and making it in good condition.	1696.00	Rupees One Thousand Six Hundred Ninty Six Only	E	1696.00
11	1	Set	Charges for painting the Transformer fencing with two coats of Aluminium paint after thoroughly cleaning with emery Paper.	2118.00	Rupees Two Thousand One Hundred Eighteen Only	E	2118.00
12	1	Set	Charges for cleaning and removing unwanted plant growth from transformer yard & Pump house.	2653.00	Rupees Two Thousand Six Hundred Fifty Three Only	E	2653.00
						PAC Rs.	<b>94451</b>

ASSISTANT EXECUTIVE ENGINEER

I..... do hereby agree to undertake to execute the work at..... ( in words.....) % below/ above/ Estimate Rate.

CONTRACTOR				ASSISTANT EXECUTIVE ENGINEER			

## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 129 /TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000 /-

P.A.C.Rs. 199955

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

## Name of work : Rewiring of MVIP Circle office building Ground Floor

Sl. No.	Qty.	Specification	Rate	Rate in words	Unit	Amount	
1		Supply and <b>wiring points</b> according to IS 732-1989 using rigid PVC ivory conduit of minimum size 20 mm conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade, including providing switch board main, and continuous earthing with No 14 SWG Copper earth Conductor, required qty of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required.					
a	44	Nos	Single control light point with 6A, 3 plate ceiling rose	841.00	Rupees Eight Hundred Forty One Only	E	37004.00
b	6	Nos	Single control light point without ceiling rose	823.00	Rupees Eight Hundred Twenty Three Only	E	4938.00
c	16	Nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	1498.00	Rupees One Thousand Four Hundred Ninty Eight Only	E	23968.00
d	1	Nos	Call bell point with piano type 6 A bell push at one end and 6 A, 3 plate ceiling rose at other end	875.00	Rupees Eight Hundred Seventy Five Only	E	875.00
e	11	Nos	Combined plug point with 6 A, 5 pin plug socket controlled by 6 A switch in the same switch board as that of light points.	421.00	Rupees Four Hundred Twenty One Only	E	4631.00
2		Supply and fixing the following sizes of <b>PVC Conduit</b> conforming to IS 9537 / 1983 part III along with all required accessories on surface including making good the damages etc as required.					
a	160	Mtr	20 mm dia light gauge	83.00	Rupees Eighty Three Only	m	13280.00
b	25	Mtr	25 mm dia light gauge	95.00	Rupees Ninty Five Only	m	2375.00
3		Supply and drawing 650/1100 V grade PVC insulated stranded <b>single core copper conductor cables</b> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.					
a	90	Mtr	1.50 sq mm 3 run	77.00	Rupees Seventy Seven Only	m	6930.00
b	25	Mtr	1.50 sq mm 6 run	126.00	Rupees One Hundred Twenty Six Only	M	3150.00
c	90	Mtr	2.50 sq mm 2 run	81.00	Rupees Eighty One Only	M	7290.00

d	30	Mtr	4 sq mm2 run	106.00	Rupees One Hundred Six Only	M	3180.00
e	10	Mtr	6 sq mm4 run	260.00	Rupees Two Hundred Sixty Only		2600.00
4			<i>Supply &amp; Fixing the following types/ sizes of <b>boxes</b> suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required (ROHS)</i>				
a	7	Nos	3 module metal box in recess	180.00	Rupees One Hundred Eighty Only	E	1260.00
b	8	Nos	10 module metal box in recess	330.00	Rupees Three Hundred Thirty Only	E	2640.00
5			<i>Supply &amp; Fixing following size module white/ off-white <b>front plates</b> on the existing modular boxes. (Group B)</i>				
a	7	Nos	3 module white/ off-white	116.00	Rupees One Hundred Sixteen Only	E	812.00
b	8	Nos	8 module white/ off-white	187.00	Rupees One Hundred Eighty Seven Only	E	1496.00
6			<i>Supply and Fixing the following <b>modular switches</b> &amp; accessories in the existing front plates and giving necessary connections as required (Group B)</i>				
a	24	Nos	6 A SP 1 way switch with indicator	138.00	Rupees One Hundred Thirty Eight Only	E	3312.00
b	7	Nos	16 A SP 1 way switch	161.00	Rupees One Hundred Sixty One Only	E	1127.00
c	24	Nos	6A 3 pin shuttered socket	157.00	Rupees One Hundred Fifty Seven Only	E	3768.00
d	7	Nos	6/16 A socket	223.00	Rupees Two Hundred Twenty Three Only	E	1561.00
7	6	Nos	Supply and fixing angle / straight brass lined skirt type, <b>bakelite batten holder</b> without shade and giving connection etc as required	63.00	Rupees Sixty Three Only	E	378.00
8	6	Nos	Supply and fixing <b>shades</b> of the 200mm polished aluminum types of <i>shades</i> on existing batten / pendent/bracket fittings as required	74.00	Rupees Seventy Four Only	E	444.00
9	3	Nos	Supply and providing the Spiral 9W BC / ES retrofit <b>CFL</b> in the existing fittings as required	202.00	Rupees Two Hundred Two Only	E	606.00
10	3	Nos	Supply and providing the Dwarf size 14 W BC / ES / E14 retrofit <b>CFL</b> in the existing fittings as required	179.00	Rupees One Hundred Seventy Nine Only	E	537.00
11	3	Nos	Supply and fixing <b>cast aluminium stove enameled bulk head fitting</b> with deep drawn anodised aluminium body, epoxy powder coated, heat resistant prismatic glass cover suitable for 14 W CFL to wall / ceiling including giving connections with required length of 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS or extending the original wiring and making good the surface as required.	601.00	Rupees Six Hundred One Only	E	1803.00
12			<i>Supply, conveyance, installation, testing and commissioning of <b>pre-wired light fitting</b> made from 0.5mmCRCA sheet complete with all accessories and lamps etc. directly on wall using 2 nos. 'C/U' brackets made from 20 x 3 mm MS flat, painting the flat iron bracket and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.</i>				

a	4	Nos	16w LED light fittings	2678.00	Rupees Two Thousand Six Hundred Seventy Eight Only	E	10712.00
13			Supply, conveyance, installation, testing and commissioning of pre-wired fitting made of CRCA sheet .5mm thick with all accessories and lamps etc. suspended from ceiling <i>using 2 nos steel chain of length not exceeding 30 cm</i> properly hooked to steel hooks anchored to the ceiling and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.				
a	2	Nos	16wLED light fittings	2642.00	Rupees Two Thousand Six Hundred Forty Two Only	E	5284.00
14			Supply, conveyance, installation, testing and commissioning of pre-wired <b>Out doorlight fitting</b> of the following types complete with all accessories and lamps etc. <i>in the existing GI pipe</i> and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.				
a	1	Nos	LED street light fitting IP 65 (24w) Philips make BRP 0202/equivalent) with all accessories.	4649.00	Rupees Four Thousand Six Hundred Forty Nine Only	E	4649.00
15			Supply, fabrication, conveyance and fixing the following sizes of B class <i>GI pipe bent to shape / cut and welded to shape</i> and fixing the same to wall / parapet using clamps as noted along with each size, painting with 2 coats of synthetic enamel paint over a coat of zinc chromate primer, making good the damages, colour washing etc as required (for the installation of outdoor light fittings).				
a	4.0	Mtr	25 mm dia with HG company fabricated clamps	274.00	Rupees Two Hundred Seventy Four Only	M	1096.00
16			Supply, conveyance, installation, testing and commissioning of the following sizes of <i>exhaust fans</i> in the existing opening, fixing necessary bolt and nuts, making good the damages etc. as required including giving connections with required length of 24/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS.				
a	2	Nos	300/ 305 mm, single phase light duty exhaust fan in metal frame	1828.00	Rupees One Thousand Eight Hundred Twenty Eight Only	E	3656.00
17	2	Nos	<i>Charges for cutting holes</i> suitable for accommodating <i>exhaust fans</i> of sizes up to 305 mm <i>sweep</i> including plastering, colour washing etc. as required.	294.00	Rupees Two Hundred Ninty Four Only	E	588.00
18	2	Nos	Supply, conveyance, installation, testing and commissioning of <b>ceiling fans</b> of 1200 mm <i>sweep - 5 star rated 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.</i>	1853.00	Rupees One Thousand Eight Hundred Fifty Three Only	E	3706.00
19	1	Nos	Supply and installation of suitable size <b>MS rod type fan clamp</b> as per IS 732 as required.	124.00	Rupees One Hundred Twenty Four Only	E	124.00

20	1	Mtr	Supply and providing every <b>additional length of down rod</b> of suitable size heavy gauge GI / WI pipe with 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming in relevant ISS or with original wiring extended including painting as required.	115.00	Rupees One Hundred Fifteen Only	E	115.00
21	1	Nos	Supply and fixing the Ding Dong types of superior quality 250V A.C <b>call bell</b> on existing M.S. box and giving connections with required length of 3 core, 16 / 0.20mm 650/1100V grade PVC insulated and PVC sheathed round copper conductor flex wire conforming to relevant ISS or with the extended original wiring, earthing the MS box and making good the surface as required.	181.00	Rupees One Hundred Eighty One Only	E	181.00
22	1	Nos	Supplying and fixing the 100x150x50 size of <b>M.S. Boxes</b> made out of 1.60 mm thick sheet painted grey (both inside and outside ) <i>in surface/ recess</i> including phenolic laminated sheet covers of thicknesses noted along with screwed to the box as front cover with steel screws, cup washers etc. making good the surface, painting /colour washing etc. as required.	205.00	Rupees Two Hundred Five Only	E	205.00
23			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				
a	1	Nos	8 way (8+24) - three phase double cover (IP 42/43)	4783.00	Rupees Four Thousand Seven Hundred Eighty Three Only	E	4783.00
24			<i>Supply and installation of the following accessories suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required</i>				
a	1	Nos	40 A four pole mini break isolator	716.00	Rupees Seven Hundred Sixteen Only	E	716.00
b	1	Nos	40 A, 4 pole, 30 mA RCCB	2780.00	Rupees Two Thousand Seven Hundred Eighty Only	E	2780.00
c	1	Nos	63 A triple pole mini break isolator	623.00	Rupees Six Hundred Twenty Three Only	E	623.00
d	18	Nos	6 A to 32 A, 10 kA, SP MCB (B curve)	219.00	Rupees Two Hundred Nineteen Only	E	3942.00
25	2	Nos	Supply and providing <b>plate earthing</b> as per IS 3043 with 600x600x6.30 mm GI/CI earth plate , 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of charcoal including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but excluding test joint, earth continuity conductor to the plate, and covering at the top. <i>(in ordinary soil)</i>	3917.00	Rupees Three Thousand Nine Hundred Seventeen Only	E	7834.00
26	2	Nos	Supply and providing the 300x300x6 mm sizes of <b>cast iron gully trap</b> with covering at the top of the inspection chamber of earth pit as required	267.00	Rupees Two Hundred Sixty Seven Only	E	534.00



27	0.6	Mtr	Supply and providing <b>test joint</b> for the earthing system using 2 Nos of 2 x 25 x 3 mm GI strip including cutting and bending to shape, drilling necessary holes and fixed to the watering pipe etc as required.	165.00	Rupees One Hundred Sixty Five Only	m	99.00
28	6	Mtr	Supply and providing <b>earth lead</b> from the test joint to the earth electrode using 2 Nos of 2 x 25 x 3 mm GI strip including cutting, drilling necessary holes (in case of strip) and fixing firmly with plate test joint etc as required.	165.00	Rupees One Hundred Sixty Five Only	m	990.00
29			Supply and clamping the following sizes of "B" class GI pipe on wall with all required accessories including cutting and making good the walls etc. as protective covering to earth leads.				
a	3	Mtr	32 mm dia(service Pipe)	230.00	Rupees Two Hundred Thirty Only	M	690.00
30	6	Mtr	Supplying, threading, laying and jointing of 15mm 'B' class GI pipe with all required accessories in ground in the existing trench as protective covering to earth leads.	90.00	Rupees Ninty Only	m	540.00
31			Supply and drawing bare <b>earthing conductor</b> s of the following sizes along with wiring/ cables and giving connection as required.				
a	25	Mtr	3.15 mm copper conductor (10 SWG)	62.00	Rupees Sixty Two Only	m	1550.00
b	90	Mtr	2.6mm copper conductor (12 SWG)	43.00	Rupees Forty Three Only	M	3870.00
32			Supply and laying bare <b>earthing conductors</b> of the following sizes laid 0.6 m below ground level including excavating trench of suitable size and refilling etc. as required (in ordinary soil).				
a	10	Mtr	3.15 mm copper conductor (10 SWG)	77.00	Rupees Seventy Seven Only	M	770.00
33			Supply of superior quality <b>copper earth socke t</b> for the following sizes of earth conductors including crimping etc. as required.				
a	6	Nos	3.15 mm (10 SWG)	19.00	Rupees Ninteen Only	E	114.00
b	14	Nos	2.65mmcopper conductor (12 SWG)	19.00	Rupees Ninteen Only	E	266.00
34			Supply and providing following sizes <b>brass bolt and nu t</b> with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required				
a	12	Nos	25 x 6 mm brass bolt & nut	20.00	Rupees Twenty Only	E	240.00
b	36	Nos	25 x 3mm brass bolt & nut	17.00	Rupees Seventeen Only	E	612.00
35	1	Nos	Fabrication, supply & installation of dust and vermin proof, wall mounting, thermoplastic meter box of 600x300x214mm suitable for fixing KSEB meter,fuse units, CT etc, hinged door construction for the front side with compartments if necessary, providing vision panel for the meter compartment, knock out for cable entry and exit.	6681.00	Rupees Six Thousand Six Hundred Eighty One Only	E	6681.00
36			Supply and fixing the following accessories in the existing meter board and giving connections etc.				
a	3	Nos	63 A, 415 V Bachelite fuse fitting	251.00	Rupees Two Hundred Fifty One Only	E	753.00
b	3	Nos	32-63 A, bolted offset tag type fuse link of size A3	94.00	Rupees Ninty Four Only	E	282.00
c	1	Nos	32 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.	105.00	Rupees One Hundred Five Only	E	105.00
37	1	LS	KSEB Charges for meter shifting and service connection charges	900.00	Rupees Nine Hundred Only	E	900.00



## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 130/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000 /-

P.A.C.Rs.

200000

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of work :- Development of Boothathankettu as a Tourist Destination in Kerala ( 2 Nos Tree House )

Sl No	Quantity	Particulars	Rate	Rate in words	Unit	Amount
1		Supply and wiring points according to IS 732-1989 using rigid PVC ivory conduit of minimum size 20 mm conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade, including providing switch board main ,and continuous earthing with no14swg copper earth , required qty of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required.				
a	14 Nos	Single control light point with 6A, 3 plate ceiling rose	841.00	Rupees Eight Hundred Forty One Only	E	11774.00
b	4 Nos	Twin control light point with 3plate ceiling rose	1262.00	Rupees One Thousand Two Hundred Sixty Two Only	E	5048.00
c	2 Nos	Single control light point without ceiling rose	823.00	Rupees Eight Hundred Twenty Three Only	E	1646.00
d	2 Nos	Call bell point with piano type 6 A bell push at one end and 6 A, 3 plate ceiling rose at other end	875.00	Rupees Eight Hundred Seventy Five Only	E	1750.00
e	6 Nos	Combined plug point with 6 A, 5 pin plug socket controlled by 6 A switch in the same switch board as that of light points.	421.00	Rupees Four Hundred Twenty One Only	E	2526.00
f	4 Nos	Independent plug	561.00	Rupees Five Hundred Sixty One Only	E	2244.00
2		Supply and providing the following types and power rated <i>lamps</i> in the existing fittings as required				
a	2 Nos	Normal/Dwarf size 8 W BC / ES retrofit CFL	144.00	Rupees One Hundred Forty Four Only	E	288.00
3	2 Nos	Supply and fixing angle / straight brass lined skirt type, <i>bakelite batten holder</i> without shade and giving connection etc as required	63.00	Rupees Sixty Three Only	E	126.00
4		Supply and fixing shades of the following types of <i>shades</i> on existing batten / pendent/bracket fittings as required				
a	2 Nos	200 mm polished aluminium shade	74.00	Rupees Seventy Four Only	E	148.00

5			<i>Supply</i> , conveyance installation testing and commissioning of pre-wired light fittings made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC <i>round block</i> 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.				
a	12	Nos	1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant, high lumen tube .	1717.00	Rupees One Thousand Seven Hundred Seventeen Only	E	20604.00
6	2	Nos	Supply and fixing the Ding Dong types of superior quality 250V A.C <i>call bell</i> on existing M.S. box and giving connections with required length of 3 core, 16 / 0.20mm 650/1100V grade PVC insulated and PVC sheathed round copper conductor flex wire conforming to relevant ISS or with the extended original wiring, earthing the MS box and making good the surface as required.	181.00	Rupees One Hundred Eighty One Only	E	362.00
7	6	Nos	Supplying and fixing the 100 x 150 x 50 mm sizes of <i>M.S. Boxes</i> made out of 1.60 mm thick sheet painted grey (both inside and outside ) <i>in surface/ recess</i> including phenolic laminated sheet covers of thicknesses noted along with screwed to the box as front cover with steel screws, cup washers etc. making good the surface, painting /colour washing etc. as required.	205.00	Rupees Two Hundred Five Only	E	1230.00
8	4	Nos	Supply , Conveyance ,Installation , Testing and Commissioning of Roman round orma midi No 5177 K.lite / equivalent make with 20 w CFL amps and all accessories. Wall light fitting of all types directly on wall including giving connections with required length of 16/0.20 mm core round copper conductor flex wire conforming to relevant ISS or with the extended original wiring , making good the damages , colour washing etc as redirected .	2345.00	Rupees Two Thousand Three Hundred Forty Five Only	E	9380.00
9	2	Nos	Supply , Conveyance ,Installation , Testing and Commissioning 400 mm / nearest size ( Crompton / equivalent make ) Pedestal fan of the using mounting peddal supplied along with the fan and giving connection with existing socket .	3736.00	Rupees Three Thousand Seven Hundred Thirty Six Only	E	7472.00
10	2	Nos	<i>Charges for cutting holes</i> suitable for accommodating <i>exhaust fans</i> of sizes up to 305 mm <i>sweep</i> including plastering, colour washing etc. as required.	294.00	Rupees Two Hundred Ninty Four Only	E	588.00
11			<i>Supply, conveyance, installation, testing and commissioning</i> of the following sizes of <i>exhaust fans</i> in the existing opening, fixing necessary bolt and nuts, making good the damages etc. as required including giving connections with required length of 24/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS.				
a	2	Nos	200 mm, single phase, light duty exhaust fan in plastic body with self opening louvers	1538.00	Rupees One Thousand Five Hundred Thirty Eight Only	E	3076.00
12			Supply and fixing the following sizes of <i>PVC Conduit</i> conforming to IS 9537 / 1983 part III along with all required accessories <i>on surface</i> including making good the damages etc as required.				
a	30	Nos	20 mm dia light gauge	83.00	Rupees Eighty Three Only	E	2490.00
b	12	Nos	32 mm dia light gauge for service pipe	119.00	Rupees One Hundred Ninteen Only	E	1428.00

13			Supplying and clamping the following sizes of <i>corrugated PVC flexible conduit</i> with necessary compression gland with locking ring and check nut at termination pointed using suitable size GI / painted MS saddles spacing not exceeding 60 cms on surface including making good the damages, colour washing etc. as required.				
a	10	mtr	20 mm dia	52.00	Rupees Fifty Two Only	E	520.00
14			Supply and drawing 650/1100 V grade <i>PVC insulated stranded single core copper conductor cables</i> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.				
b	40	mtr	2.50 sq mm 2 run	81.00	Rupees Eighty One Only	E	3240.00
c	12	mtr	4.00 sq mm 2 run	106.00	Rupees One Hundred Six Only	E	1272.00
15			Supply & Fixing the following types/ sizes of boxes suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required ( <i>ROHS</i> )				
a	6	Nos	2 module metal box in recess	185.00	Rupees One Hundred Eighty Five Only	E	1110.00
16			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. ( <i>RoHS</i> )(Group -B)				
a	6	Nos	2 module white/ off-white	101.00	Rupees One Hundred One Only	E	606.00
17			Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required ( <i>RoHS</i> )(Group -B)				
a	2	Nos	16 A SP 1 way switch	161.00	Rupees One Hundred Sixty One Only	E	322.00
b	2	Nos	6/16 A socket	223.00	Rupees Two Hundred Twenty Three Only	E	446.00
c	2	Nos	20A DP switch with indicator ( for street light )	304.00	Rupees Three Hundred Four Only	E	608.00
d	4	Nos	<i>Blank plate 1M</i>	19.00	Rupees Nineteen Only	E	76.00
18			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				
a	2	Nos	8 way single phase double cover (IP 42/43)	1572.00	Rupees One Thousand Five Hundred Seventy Two Only	E	3144.00
19			Supply and installation of the following <i>accessories</i> suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required				
a	2	Nos	25 A double pole mini break isolator	342.00	Rupees Three Hundred Forty Two Only	E	684.00
b	2	Nos	25 A, 2 pole, 30 mA RCCB	2023.00	Rupees Two Thousand Twenty Three Only	E	4046.00
c	8	Nos	6-32A, 10 kA, SP MCB( C curve)	219.00	Rupees Two Hundred Nineteen Only	E	1752.00



20	2	Nos	Supply and providing <i>plate earthing</i> as per IS 3043 with 600x600x6.30 mm GI/CI earth plate , 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of charcoal including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but excluding test joint, earth continuity conductor to the plate, and covering at the top. ( <i>in ordinary soil</i> )	3917.00	Rupees Three Thousand Nine Hundred Seventeen Only	E	7834.00
21			Supply and providing the following sizes of <i>cast iron gully trap with covering</i> at the top of the inspection chamber of earth pit as required				
a	2	Nos	300 x 300 x 6 mm cast iron gully trap with covering	267.00	Rupees Two Hundred Sixty Seven Only	E	534.00
22			Supply and providing <i>test joint for the earthing system</i> using 2 Nos of the following sizes of strips including cutting and bending to shape, drilling necessary holes and fixed to the watering pipe etc as required.				
a	0.4	Mtr	2 x 25 x 3 mm GI strip	165.00	Rupees One Hundred Sixty Five Only	M	66.00
23			Supply and providing <i>earth lead from the test joint to the earth electrode</i> using the following sizes of conductors/ strips including cutting, drilling necessary holes (in case of strip) and fixing firmly with plate test joint etc as required.				
a	6	Mtr	25 x 3 mm GI strip	73.00	Rupees Seventy Three Only	M	438.00
24			Supply and <i>clamping</i> the following sizes of "B" class <i>GI pipe</i> on wall with all required accessories & clamps etc., including cutting and making good the walls, painting the exposed portions etc., <i>as protective covering to earth leads</i>				
a	6	Mtr	15 mm dia	90.00	Rupees Ninty Only	M	540.00
25			Supply and laying bare <i>earthing conductors</i> of the following sizes <i>laid 0.6 m below ground level including excavating trench</i> of suitable size and refilling etc. as required ( <i>in ordinary soil</i> ).				
a	6	Mtr	3.15 mm copper conductor (10 SWG)	77.00	Rupees Seventy Seven Only	M	462.00
26			Supply and drawing bare <i>earthing conductors</i> of the following sizes <i>along with wiring/ cables</i> and giving connection as required.				
a	24	Mtr	2.00 mm copper conductor (14 SWG)	26.00	Rupees Twenty Six Only	M	624.00
b	10	Mtr	3.15 mm copper conductor (10 SWG)	62.00	Rupees Sixty Two Only	M	620.00
27			supply of superior quality <i>copper earth socket</i> for the following sizes of earth conductor including crimping etc. as required.				
a	8	Nos	2.00 mm (14 SWG)	18.00	Rupees Eighteen Only	E	144.00
b	4	Nos	3.15 mm (10 SWG)	19.00	Rupees Ninteen Only	E	76.00
28			Supply and providing the following sizes of <i>bolt and nut</i> with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required				
a	4	Nos	12 x 3 mm brass bolt & nut	11.30	Rupees Eleven & Paise Thirty Only	E	45.20
b	4	Nos	25 x 6 mm brass bolt & nut	20.00	Rupees Twenty Only	E	80.00

29			Fabrication, supply & installation of dust and vermin proof, wall mounting, thermoplastic meter box of following size suitable for fixing KSEB meter, fuse units, CT etc, hinged door construction for the front side with compartments if necessary, providing vision panel for the meter compartment, knock out for cable entry and exit.				
a	2	Nos	300x300x170mm	3848.00	Rupees Three Thousand Eight Hundred Forty Eight Only	E	7696.00
30			Supply and fixing the following accessories suitable for 50 Hz , AC supply conforming to IS 8828 - 1995 / IEC 60898 of the following current rating in the existing enclosure and giving connections etc.				
a	2	Nos	32 A, fuse holder for BS type blade fuses	145.00	Rupees One Hundred Forty Five Only	E	290.00
b	2	Nos	32 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.	105.00	Rupees One Hundred Five Only	E	210.00
c	2	Nos	20 - 32 A , clip on offset tag fuse link of size f1	71.00	Rupees Seventy One Only	E	142.00
31	15	Kg	Fabrication, supply, conveyance and installation of <i>angle iron frame work</i> for wall mounting panel board using suitable size angle iron cut and welded to shape including painting with two coats of synthetic enamel paint over a coat of zinc chromate primer, bolting the frame to the panel using required bolt and nuts, fixing the whole to the wall, making good the damages etc. as required.	132.00	Rupees One Hundred Thirty Two Only	kg	1980.00
32			Supply & laying of one number PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of the following sizes in the existing RCC/ HUME / STONE WARE/ GI/ DWC pipe as required.				
a	105	mtr	2 core 4 sq mm ( 60 + 65 mtr )	128	Rupees One Hundred Twenty Eight Only	mtr	13440.00
33			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.				
a	14	mtr	2 core 4 sq mm with factory made clamp	135	Rupees One Hundred Thirty Five Only	mtr	1890.00
34			Supply & laying of DWC pipe in <b>ordinary soil</b> 0.75m below ground level including excavation				
a	100	mtr	40 / 32 mm or nearest size	122	Rupees One Hundred Twenty Two Only	mtr	12200.00
35			Supplying siemens / tropodur type nickel plated <i>Double compression brass cable gland</i> for PVC insulated and PVC sheathed armoured aluminium/ copper conductor cable 1.1 KV grade, and making end termination suitable for 2/ 3/ 3½/ 4 core cable of the following sizes as required.				
a	20	Nos	4 sq mm	221	Rupees Two Hundred Twenty One Only	E	4420.00
36			Supplying and providing <i>earth clamps</i> for siemens/ tropodur type cable glands of suitable length and other dimensions noted along with each size of glands for the following sizes of cables as required.				









## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 132/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000 /-

P.A.C.Rs.

189983

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of work : Rewiring of IIP Quarters(F TYPE) at Chalakudy(3 Nos:)

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount	
1		Supply and <b>wiring points</b> according to IS 732-1989 using rigid PVC ivory conduit of minimum size 20 mm conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade,including providing switch board main ,and continuous earthing with No 14 SWG Copper earth Conductor , required qty of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required.					
a	21	Nos	Single control light point with 6A, 3 plate ceiling rose	841.00	Rupees Eight Hundred Forty One Only	E	17661.00
b	24	Nos	Single control light point without ceiling rose	823.00	Rupees Eight Hundred Twenty Three Only	E	19752.00
c	9	Nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	1498.00	Rupees One Thousand Four Hundred Ninty Eight Only	E	13482.00
d	3	Nos	Call bell point with piano type 6 A bell push at one end and 6 A, 3 plate ceiling rose at other end	875.00	Rupees Eight Hundred Seventy Five Only	E	2625.00
e	12	Nos	Combined plug point with 6 A, 5 pin plug socket controlled by 6 A switch in the same switch board as that of light points.	421.00	Rupees Four Hundred Twenty One Only	E	5052.00
f	3	Nos	Independent plug	561.00	Rupees Five Hundred Sixty One Only	E	1683.00
2		Supply and fixing the following sizes of <b>PVC Conduit</b> conforming to IS 9537 / 1983 part III along with all required accessories on surface including making good the damages etc as required.			E	0.00	
a	55	Mtr	20 mm dia light gauge	83.00	Rupees Eighty Three Only	E	4565.00
b	40	Mtr	25 mm dia light gauge	95.00	Rupees Ninty Five Only	E	3800.00
3		Supply and drawing 650/1100 V grade PVC insulated stranded <b>single core copper conductor cables</b> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.			E	0.00	
a	30	Mtr	1.50 sq mm 3 run	77.00	Rupees Seventy Seven Only	M	2310.00

b	30	Mtr	2.50 sq mm 2 run	81.00	Rupees Eighty One Only	M	2430.00
c	30	Mtr	2.50 sq mm 4 run	134.00	Rupees One Hundred Thirty Four Only	M	4020.00
d	20	Mtr	4 sq mm2 run	106.00	Rupees One Hundred Six Only	M	2120.00
4			<i>Supply &amp; Fixing the following types/ sizes of <b>boxes</b> suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required (ROHS)</i>			E	0.00
a	6	Nos	3 module metal box in recess	194.00	Rupees One Hundred Ninty Four Only	E	1164.00
b	3	Nos	10 module metal box in recess	225.00	Rupees Two Hundred Twenty Five Only	E	675.00
5			<i>Supply &amp; Fixing following size module white/ off-white <b>front plates</b> on the existing modular boxes. (Group B)</i>			E	0.00
a	6	Nos	3 module white/ off-white	116.00	Rupees One Hundred Sixteen Only	E	696.00
b	3	Nos	10 module white/ off-white	216.00	Rupees Two Hundred Sixteen Only	E	648.00
6			<i>Supply and Fixing the following <b>modular switches</b> &amp; accessories in the existing front plates and giving necessary connections as required (Group B)</i>			E	0.00
a	9	Nos	6 A SP 1 way switch	119.00	Rupees One Hundred Ninteen Only	E	1071.00
b	6	Nos	16 A SP 1 way switch	161.00	Rupees One Hundred Sixty One Only	E	966.00
c	9	Nos	6A 3 pin shuttered socket	157.00	Rupees One Hundred Fifty Seven Only	E	1413.00
d	6	Nos	6/16 A socket	223.00	Rupees Two Hundred Twenty Three Only	E	1338.00
7	24	Nos	Supply and fixing angle / straight brass lined skirt type, <b>bakelite batten holder</b> without shade and giving connection etc as required	63.00	Rupees Sixty Three Only	E	1512.00
8	24	Nos	Supply and fixing <b>shades</b> of the 200mm polished aluminum types of <i>shades</i> on existing batten / pendent/bracket fittings as required	74.00	Rupees Seventy Four Only	E	1776.00
9	3	Nos	Supply and providing the Dwarf size 8 W BC / ES / E14 <b>CFL</b> in the existing fittings as required	144.00	Rupees One Hundred Forty Four Only	E	432.00
10	21	Nos	Supply and providing the Dwarf size 14 W BC / ES / E14 retrofit <b>CFL</b> in the existing fittings as required	179.00	Rupees One Hundred Seventy Nine Only	E	3759.00
11			<i>Supply , conveyance, installation, testing and commissioning of <b>pre-wired light fitting</b> made from 0.5mmCRCA sheet complete with all accessories and lamps etc. directly on wall using 2 nos. 'C/U' brackets made from 20 x 3 mm MS flat, painting the flat iron bracket and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.</i>			E	0.00
a	21	Nos	18w/20w LED tube light 4 feet fittings make PHILIPS,CROMPTON OR Equalant make with 100 lumen/watt output minimum	706.00	Rupees Seven Hundred Six Only	E	14826.00

12	11	Nos	Supply, conveyance, installation, testing and commissioning of <b>ceiling fans</b> of 1200 mm sweep - 5 star rated 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.	1853.00	Rupees One Thousand Eight Hundred Fifty Three Only	E	20383.00
13	6	Nos	Supply and installation of suitable size <b>MS rod type fan clamp</b> as per IS 732 as required.	124.00	Rupees One Hundred Twenty Four Only	E	744.00
14	3	Mtr	Supply and providing every <b>additional length of down rod</b> of suitable size heavy gauge GI / WI pipe with 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming in relevant ISS or with original wiring extended including painting as required.	115.00	Rupees One Hundred Fifteen Only	E	345.00
15	3	Nos	Supply and fixing the Ding Dong types of superior quality 250V A.C <b>call bell</b> on existing M.S. box and giving connections with required length of 3 core, 16 / 0.20mm 650/1100V grade PVC insulated and PVC sheathed round copper conductor flex wire conforming to relevant ISS or with the extended original wiring, earthing the MS box and making good the surface as required.	181.00	Rupees One Hundred Eighty One Only	E	543.00
16	3	Nos	Supplying and fixing the 100x150x50 size of <b>M.S. Boxes</b> made out of 1.60 mm thick sheet painted grey (both inside and outside ) <i>in surface/ recess</i> including phenolic laminated sheet covers of thicknesses noted along with screwed to the box as front cover with steel screws, cup washers etc. making good the surface, painting /colour washing etc. as required.	205.00	Rupees Two Hundred Five Only	E	615.00
17			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			E	0.00
	3	Nos	10 way single phase double cover (IP 42/43)	1689	Rupees One Thousand Six Hundred Eighty Nine Only	E	5067.00
18			Supply and installation of the following accessories suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required			E	0.00
a	3	Nos	25 A double pole mini break isolator	342	Rupees Three Hundred Forty Two Only	E	1026.00
b	3	Nos	25 A, 2 pole, 30 mA RCCB	2023	Rupees Two Thousand Twenty Three Only	E	6069.00
e	18	Nos	6 A to 32 A, 10 kA, SP MCB (C curve)	219.00	Rupees Two Hundred Nineteen Only	E	3942.00

19	3	Nos	Supply and providing <b>plate earthing</b> as per IS 3043 with 600x600x6.30 mm GI/CI earth plate , 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of charcoal including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but excluding test joint, earth continuity conductor to the plate, and covering at the top. <i>(in ordinary soil)</i>	3917.00	Rupees Three Thousand Nine Hundred Seventeen Only	E	11751.00
20	3	Nos	Supply and providing the 300x300x6 mm sizes of <b>cast iron gully trap</b> with covering at the top of the inspection chamber of earth pit as required	267.00	Rupees Two Hundred Sixty Seven Only	E	801.00
21	0.8	Mtr	Supply and providing <b>test joint</b> for the earthing system using 2 Nos of 2 x 25 x 3 mm GI strip including cutting and bending to shape, drilling necessary holes and fixed to the watering pipe etc as required.	165.00	Rupees One Hundred Sixty Five Only	M	123.75
22	10	Mtr	Supply and providing earth lead from the test joint to the earth electrode 25 x 3 mm GI strips including cutting, drilling necessary holes (in case of strip) and fixing firmly with plate test joint etc as required.	73.00	Rupees Seventy Three Only	M	730.00
23	10	Mtr	Supplying, threading, laying and jointing of 15mm 'B' class <b>GI pipe</b> with all required accessories in ground in the existing trench as protective covering to earth leads.	90.00	Rupees Ninty Only	M	900.00
24			Supply and drawing bare <b>earthing conductor</b> s of the following sizes along with wiring/ cables and giving connection as required.			M	0.00
a	20	Mtr	3.15 mm copper conductor (10 SWG)	62.00	Rupees Sixty Two Only	M	1240.00
b	60	Mtr	2.00 mm copper conductor (14 SWG)	26.00	Rupees Twenty Six Only	M	1560.00
25			Supply and laying bare <b>earthing conductors</b> of the following sizes laid 0.6 m below ground level including excavating trench of suitable size and refilling etc. as required <i>(in ordinary soil)</i> .			M	0.00
a	10	Mtr	3.15 mm copper conductor (10 SWG)	77.00	Rupees Seventy Seven Only	M	770.00
26			Supply of superior quality <b>copper earth socke t</b> for the following sizes of earth conductors including crimping etc. as required.			E	0.00
a	8	Nos	3.15 mm (10 SWG)	19.00	Rupees Ninteen Only	E	152.00
b	18	Nos	2.00 mm (14 SWG)	18.00	Rupees Eighteen Only	E	324.00
27			Supply and providing following sizes <b>brass bolt and nu t</b> with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required			E	0.00
a	18	Nos	25 x 6 mm brass bolt & nut	20.00	Rupees Twenty Only	E	360.00
b	10	Nos	25 x 3mm brass bolt & nut	17.00	Rupees Seventeen Only	E	170.00
28	3	Nos	Fabrication, supply & installation of dust and vermin proof, wall mounting, thermoplastic meter box of 300x300x170mm suitable for fixing KSEB meter,fuse units, CT etc, hinged door construction for the front side with compartments if necessary, providing vision panel for the meter compartment, knock out for cable entry and exit.	3848.00	Rupees Three Thousand Eight Hundred Forty Eight Only	E	11544.00



## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 133/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000 /-

P.A.C.Rs.

198120

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of work : Rewiring of IIP Quarters and Section office at Chalakudy(RBC2,RBC3,F7,F8)

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount	
1		Supply and <b>wiring points</b> according to IS 732-1989 using rigid PVC ivory conduit of minimum size 20 mm conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade,including providing switch board main ,and continuous earthing with No 14 SWG Copper earth Conductor , required qty of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required.					
a	24	Nos	Single control light point with 6A, 3 plate ceiling rose	841.00	Rupees Eight Hundred Forty One Only	E	20184.00
b	32	Nos	Single control light point without ceiling rose	823.00	Rupees Eight Hundred Twenty Three Only	E	26336.00
c	10	Nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	1498.00	Rupees One Thousand Four Hundred Ninty Eight Only	E	14980.00
d	2	Nos	Call bell point with piano type 6 A bell push at one end and 6 A, 3 plate ceiling rose at other end	875.00	Rupees Eight Hundred Seventy Five Only	E	1750.00
e	12	Nos	Combined plug point with 6 A, 5 pin plug socket controlled by 6 A switch in the same switch board as that of light points.	421.00	Rupees Four Hundred Twenty One Only	E	5052.00
f	2	Nos	Independent plug	561.00	Rupees Five Hundred Sixty One Only	E	1122.00
2			Supply and fixing the following sizes of <b>PVC Conduit</b> conforming to IS 9537 / 1983 part III along with all required accessories on surface including making good the damages etc as required.			E	0.00
a	90	Mtr	20 mm dia light gauge	83.00	Rupees Eighty Three Only	M	7470.00
b	25	Mtr	25 mm dia light gauge	95.00	Rupees Ninty Five Only	M	2375.00
3			Supply and drawing 650/1100 V grade PVC insulated stranded <b>single core copper conductor cables</b> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.			M	0.00
a	70	Mtr	1.50 sq mm 3 run	77.00	Rupees Seventy Seven Only	M	5390.00

b	20	Mtr	2.50 sq mm 2 run	81.00	Rupees Eighty One Only	M	1620.00
c	25	Mtr	2.50 sq mm 4 run	134.00	Rupees One Hundred Thirty Four Only	M	3350.00
d	15	Mtr	4 sq mm2 run	106.00	Rupees One Hundred Six Only	M	1590.00
4			<i>Supply &amp; Fixing the following types/ sizes of <b>boxes</b> suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required (ROHS)</i>			E	0.00
a	6	Nos	3 module metal box in recess	194.00	Rupees One Hundred Ninty Four Only	E	1164.00
b	6	Nos	10 module metal box in recess	225.00	Rupees Two Hundred Twenty Five Only	E	1350.00
5			<i>Supply &amp; Fixing following size module white/ off-white <b>front plates</b> on the existing modular boxes. (Group B)</i>			E	0.00
a	6	Nos	3 module white/ off-white	116.00	Rupees One Hundred Sixteen Only	E	696.00
b	6	Nos	10 module white/ off-white	216.00	Rupees Two Hundred Sixteen Only	E	1296.00
6			<i>Supply and Fixing the following <b>modular switches</b> &amp; accessories in the existing front plates and giving necessary connections as required (Group B)</i>			E	0.00
a	18	Nos	6 A SP 1 way switch	119.00	Rupees One Hundred Ninteen Only	E	2142.00
b	6	Nos	16 A SP 1 way switch	161.00	Rupees One Hundred Sixty One Only	E	966.00
c	18	Nos	6A 3 pin shuttered socket	157.00	Rupees One Hundred Fifty Seven Only	E	2826.00
d	6	Nos	6/16 A socket	223.00	Rupees Two Hundred Twenty Three Only	E	1338.00
7	32	Nos	Supply and fixing angle / straight brass lined skirt type, <b>bakelite batten holder</b> without shade and giving connection etc as required	63.00	Rupees Sixty Three Only	E	2016.00
8	32	Nos	Supply and fixing <b>shades</b> of the 200mm polished aluminum types of <i>shades</i> on existing batten / pendent/bracket fittings as required	74.00	Rupees Seventy Four Only	E	2368.00
9	4	Nos	Supply and providing the Dwarf size 8 W BC / ES / E14 <b>CFL</b> in the existing fittings as required	144.00	Rupees One Hundred Forty Four Only	E	576.00
10	28	Nos	Supply and providing the Dwarf size 14 W BC / ES / E14 retrofit <b>CFL</b> in the existing fittings as required	179.00	Rupees One Hundred Seventy Nine Only	E	5012.00
11			<i>Supply , conveyance, installation, testing and commissioning of <b>pre-wired light fitting</b> made from 0.5mmCRCA sheet complete with all accessories and lamps etc. directly on wall using 2 nos. 'C/U' brackets made from 20 x 3 mm MS flat, painting the flat iron bracket and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.</i>			E	0.00
a	23	Nos	18w/20w LED tube light 4 feet fittings make PHILIPS,CROMPTON OR Equalant make with 100 lumen/watt output minimum	706.00	Rupees Seven Hundred Six Only	E	16238.00

12			<i>Supply, conveyance, installation, testing and commissioning</i> of the following sizes of <i>exhaust fans</i> in the existing opening, fixing necessary bolt and nuts, making good the damages etc. as required including giving connections with required length of 24/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS.			E	0.00
a	2	Nos	200 mm, single phase, light duty exhaust fan in plastic body with self opening louvers	1538.00	Rupees One Thousand Five Hundred Thirty Eight Only	E	3076.00
13	2	Nos	<i>Charges for cutting holes</i> suitable for accommodating <i>exhaust fans</i> of sizes up to 305 mm <i>sweep</i> including plastering, colour washing etc. as required.	294.00	Rupees Two Hundred Ninty Four Only	E	588.00
14	6	Nos	<i>Supply, conveyance, installation, testing and commissioning of ceiling fans</i> of 1200 mm <i>sweep</i> - 5 star rated 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.	1853.00	Rupees One Thousand Eight Hundred Fifty Three Only	E	11118.00
15	4	Nos	Supply and installation of suitable size <b>MS rod type fan clamp</b> as per IS 732 as required.	124.00	Rupees One Hundred Twenty Four Only	E	496.00
16	2	Mtr	Supply and providing every <b>additional length of down rod</b> of suitable size heavy gauge GI / WI pipe with 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming in relevant ISS or with original wiring extended including painting as required.	115.00	Rupees One Hundred Fifteen Only	E	230.00
17	2	Nos	Supply and fixing the Ding Dong types of superior quality 250V A.C <b>call bell</b> on existing M.S. box and giving connections with required length of 3 core, 16 / 0.20mm 650/1100V grade PVC insulated and PVC sheathed round copper conductor flex wire conforming to relevant ISS or with the extended original wiring, earthing the MS box and making good the surface as required.	181.00	Rupees One Hundred Eighty One Only	E	362.00
18	2	Nos	Supplying and fixing the 100x150x50 size of <b>M.S. Boxes</b> made out of 1.60 mm thick sheet painted grey (both inside and outside ) <i>in surface/ recess</i> including phenolic laminated sheet covers of thicknesses noted along with screwed to the box as front cover with steel screws, cup washers etc. making good the surface, painting /colour washing etc. as required.	205.00	Rupees Two Hundred Five Only	E	410.00
19			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			E	0.00
a	2	Nos	10 way single phase double cover (IP 42/43)	1689	Rupees One Thousand Six Hundred Eighty Nine Only	E	3378.00
b	1	Nos	12 way single phase double cover (IP 42/43)	1899	Rupees One Thousand Eight Hundred Ninty Nine Only	E	1899.00



20			Supply and installation of the following accessories suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required			E	0.00
a	2	Nos	25 A double pole mini break isolator	342	Rupees Three Hundred Forty Two Only	E	684.00
b	1	Nos	40 A double pole mini break isolator	356	Rupees Three Hundred Fifty Six Only	E	356.00
c	2	Nos	25 A, 2 pole, 30 mA RCCB	2023	Rupees Two Thousand Twenty Three Only	E	4046.00
d	1	Nos	40 A, 2 pole, 30 mA RCCB	2357	Rupees Two Thousand Three Hundred Fifty Seven Only	E	2357.00
e	20	Nos	6 A to 32 A, 10 kA, SP MCB (C curve)	219.00	Rupees Two Hundred Nineteen Only	E	4380.00
21	3	Nos	Supply and providing <b>plate earthing</b> as per IS 3043 with 600x600x6.30 mm GI/CI earth plate , 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of charcoal including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but excluding test joint, earth continuity conductor to the plate, and covering at the top. (in ordinary soil)	3917.00	Rupees Three Thousand Nine Hundred Seventeen Only	E	11751.00
22	3	Nos	Supply and providing the 300x300x6 mm sizes of <b>cast iron gully trap</b> with covering at the top of the inspection chamber of earth pit as required	267.00	Rupees Two Hundred Sixty Seven Only	E	801.00
23	0.8	Mtr	Supply and providing <b>test joint</b> for the earthing system using 2 Nos of 2 x 25 x 3 mm GI strip including cutting and bending to shape, drilling necessary holes and fixed to the watering pipe etc as required.	165.00	Rupees One Hundred Sixty Five Only	M	123.75
24	10	Mtr	Supply and providing <b>earth lead</b> from the test joint to the earth electrode 25 x 3 mm GI strips including cutting, drilling necessary holes (in case of strip) and fixing firmly with plate test joint etc as required.	73.00	Rupees Seventy Three Only	M	730.00
25	10	Mtr	Supplying, threading, laying and jointing of 15mm 'B' class <b>GI pipe</b> with all required accessories in ground in the existing trench as protective covering to earth leads.	90.00	Rupees Ninty Only	M	900.00
26			Supply and drawing bare <b>earthing conductor</b> s of the following sizes along with wiring/ cables and giving connection as required.			M	0.00
a	15	Mtr	3.15 mm copper conductor (10 SWG)	62.00	Rupees Sixty Two Only	M	930.00
b	55	Mtr	2.0mm copper conductor (14 SWG)	26.00	Rupees Twenty Six Only	M	1430.00
27			Supply and laying bare <b>earthing conductors</b> of the following sizes laid 0.6 m below ground level including excavating trench of suitable size and refilling etc. as required (in ordinary soil).			M	0.00
a	10	Mtr	3.15 mm copper conductor (10 SWG)	77.00	Rupees Seventy Seven Only	M	770.00
28			Supply of superior quality <b>copper earth socke t</b> for the following sizes of earth conductors including crimping etc. as required.			E	0.00
a	8	Nos	3.15 mm (10 SWG)	19.00	Rupees Ninteen Only	E	152.00



## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 134/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000 /-

P.A.C.Rs.

179336

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of work : Rewiring of IIP Quarters(E,D) at CHALAKUDY(2 Nos:)

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount
1		Supply and <b>wiring points</b> according to IS 732-1989 using rigid PVC ivory conduit of minimum size 20 mm conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade,including providing switch board main ,and continuous earthing with No 14 SWG Copper earth Conductor , required qty of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required.				
a	26 Nos	Single control light point with 6A, 3 plate ceiling rose	841.00	Rupees Eight Hundred Forty One Only	E	21866.00
b	21 Nos	Single control light point without ceiling rose	823.00	Rupees Eight Hundred Twenty Three Only	E	17283.00
c	9 Nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	1498.00	Rupees One Thousand Four Hundred Ninty Eight Only	E	13482.00
d	2 Nos	Call bell point with piano type 6 A bell push at one end and 6 A, 3 plate ceiling rose at other end	875.00	Rupees Eight Hundred Seventy Five Only	E	1750.00
e	10 Nos	Combined plug point with 6 A, 5 pin plug socket controlled by 6 A switch in the same switch board as that of light points.	421.00	Rupees Four Hundred Twenty One Only	E	4210.00
f	2 Nos	Independent plug	561.00	Rupees Five Hundred Sixty One Only	E	1122.00
2		Supply and fixing the following sizes of <b>PVC Conduit</b> conforming to IS 9537 / 1983 part III along with all required accessories on surface including making good the damages etc as required.			E	0.00
a	60 Mtr	20 mm dia light gauge	83.00	Rupees Eighty Three Only	E	4980.00
b	40 Mtr	25 mm dia light gauge	95.00	Rupees Ninty Five Only	E	3800.00
3		Supply and drawing 650/1100 V grade PVC insulated stranded <b>single core copper conductor cables</b> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.			E	0.00
a	30 Mtr	1.50 sq mm 3 run	77.00	Rupees Seventy Seven Only	M	2310.00

b	40	Mtr	2.50 sq mm 2 run	81.00	Rupees Eighty One Only	M	3240.00
c	40	Mtr	2.50 sq mm 4 run	134.00	Rupees One Hundred Thirty Four Only	M	5360.00
d	15	Mtr	4 sq mm2 run	106.00	Rupees One Hundred Six Only	M	1590.00
4			<i>Supply &amp; Fixing the following types/ sizes of <b>boxes</b> suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required (ROHS)</i>			E	0.00
a	4	Nos	3 module metal box in recess	194.00	Rupees One Hundred Ninty Four Only	E	776.00
b	2	Nos	10 module metal box in recess	225.00	Rupees Two Hundred Twenty Five Only	E	450.00
5			<i>Supply &amp; Fixing following size module white/ off-white <b>front plates</b> on the existing modular boxes. (Group B)</i>			E	0.00
a	4	Nos	3 module white/ off-white	116.00	Rupees One Hundred Sixteen Only	E	464.00
b	2	Nos	10 module white/ off-white	216.00	Rupees Two Hundred Sixteen Only	E	432.00
6			<i>Supply and Fixing the following <b>modular switches</b> &amp; accessories in the existing front plates and giving necessary connections as required (Group B)</i>			E	0.00
a	6	Nos	6 A SP 1 way switch	119.00	Rupees One Hundred Ninteen Only	E	714.00
b	4	Nos	16 A SP 1 way switch	161.00	Rupees One Hundred Sixty One Only	E	644.00
c	6	Nos	6A 3 pin shuttered socket	157.00	Rupees One Hundred Fifty Seven Only	E	942.00
d	4	Nos	6/16 A socket	223.00	Rupees Two Hundred Twenty Three Only	E	892.00
7	21	Nos	Supply and fixing angle / straight brass lined skirt type, <b>bakelite batten holder</b> without shade and giving connection etc as required	63.00	Rupees Sixty Three Only	E	1323.00
8	21	Nos	Supply and fixing <b>shades</b> of the 200mm polished aluminum types of <i>shades</i> on existing batten / pendent/bracket fittings as required	74.00	Rupees Seventy Four Only	E	1554.00
9	3	Nos	Supply and providing the Dwarf size 8 W BC / ES / E14 <b>CFL</b> in the existing fittings as required	144.00	Rupees One Hundred Forty Four Only	E	432.00
10	19	Nos	Supply and providing the Dwarf size 14 W BC / ES / E14 retrofit <b>CFL</b> in the existing fittings as required	179.00	Rupees One Hundred Seventy Nine Only	E	3401.00
11			<i>Supply , conveyance, installation, testing and commissioning of <b>pre-wired light fitting</b> made from 0.5mmCRCA sheet complete with all accessories and lamps etc. directly on wall using 2 nos. 'C/U' brackets made from 20 x 3 mm MS flat, painting the flat iron bracket and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.</i>			E	0.00
a	22	Nos	18w/20w LED tube light 4 feet fittings make PHILIPS,CROMPTON OR Equalant make with 100 lumen/watt output minimum	706.00	Rupees Seven Hundred Six Only	E	15532.00

12			<i>Supply, conveyance, installation, testing and commissioning</i> of the following sizes of <i>exhaust fans</i> in the existing opening, fixing necessary bolt and nuts, making good the damages etc. as required including giving connections with required length of 24/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS.			E	0.00
a	4	Nos	200 mm, single phase, light duty exhaust fan in plastic body with self opening louvers	1538.00	Rupees One Thousand Five Hundred Thirty Eight Only	E	6152.00
13	4	Nos	<i>Charges for cutting holes</i> suitable for accommodating <i>exhaust fans</i> of sizes up to 305 mm <i>sweep</i> including plastering, colour washing etc. as required.	294.00	Rupees Two Hundred Ninty Four Only	E	1176.00
14	9	Nos	<i>Supply, conveyance, installation, testing and commissioning of ceiling fans</i> of 1200 mm <i>sweep</i> - 5 star rated 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.	1853.00	Rupees One Thousand Eight Hundred Fifty Three Only	E	16677.00
15	4	Nos	Supply and installation of suitable size <b>MS rod type fan clamp</b> as per IS 732 as required.	124.00	Rupees One Hundred Twenty Four Only	E	496.00
16	3	Mtr	Supply and providing every <b>additional length of down rod</b> of suitable size heavy gauge GI / WI pipe with 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming in relevant ISS or with original wiring extended including painting as required.	115.00	Rupees One Hundred Fifteen Only	E	345.00
17	2	Nos	Supply and fixing the Ding Dong types of superior quality 250V A.C <b>call bell</b> on existing M.S. box and giving connections with required length of 3 core, 16 / 0.20mm 650/1100V grade PVC insulated and PVC sheathed round copper conductor flex wire conforming to relevant ISS or with the extended original wiring, earthing the MS box and making good the surface as required.	181.00	Rupees One Hundred Eighty One Only	E	362.00
18	2	Nos	Supplying and fixing the 100x150x50 size of <b>M.S. Boxes</b> made out of 1.60 mm thick sheet painted grey (both inside and outside ) <i>in surface/ recess</i> including phenolic laminated sheet covers of thicknesses noted along with screwed to the box as front cover with steel screws, cup washers etc. making good the surface, painting /colour washing etc. as required.	205.00	Rupees Two Hundred Five Only	E	410.00
19			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			E	0.00
a	2	Nos	12 way single phase double cover (IP 42/43)	1899	Rupees One Thousand Eight Hundred Ninty Nine Only	E	3798.00
20			<i>Supply and installation of the following accessories suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required</i>			E	0.00
a	2	Nos	40 A double pole mini break isolator	356	Rupees Three Hundred Fifty Six Only	E	712.00

b	2	Nos	40 A, 2 pole, 30 mA RCCB	2357	Rupees Two Thousand Three Hundred Fifty Seven Only	E	4714.00
c	16	Nos	6 A to 32 A, 10 kA, SP MCB (C curve)	219.00	Rupees Two Hundred Nineteen Only	E	3504.00
21	2	Nos	Supply and providing <b>plate earthing</b> as per IS 3043 with 600x600x6.30 mm GI/CI earth plate, 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of charcoal including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but excluding test joint, earth continuity conductor to the plate, and covering at the top. (in ordinary soil)	3917.00	Rupees Three Thousand Nine Hundred Seventeen Only	E	7834.00
22	2	Nos	Supply and providing the 300x300x6 mm sizes of <b>cast iron gully trap</b> with covering at the top of the inspection chamber of earth pit as required	267.00	Rupees Two Hundred Sixty Seven Only	E	534.00
23	0.5	Mtr	Supply and providing <b>test joint</b> for the earthing system using 2 Nos of 2 x 25 x 3 mm GI strip including cutting and bending to shape, drilling necessary holes and fixed to the watering pipe etc as required.	165.00	Rupees One Hundred Sixty Five Only	M	82.50
24	6.5	Mtr	Supply and providing earth lead from the test joint to the earth electrode 25 x 3 mm GI strips including cutting, drilling necessary holes (in case of strip) and fixing firmly with plate test joint etc as required.	73.00	Rupees Seventy Three Only	M	474.50
25	6	Mtr	Supplying, threading, laying and jointing of 15mm 'B' class <b>GI pipe</b> with all required accessories in ground in the existing trench as protective covering to earth leads.	90.00	Rupees Ninty Only	M	540.00
26			Supply and drawing bare <b>earthing conductor</b> s of the following sizes along with wiring/ cables and giving connection as required.			M	0.00
a	15	Mtr	3.15 mm copper conductor (10 SWG)	62.00	Rupees Sixty Two Only	M	930.00
b	80	Mtr	2.0mm copper conductor (14 SWG)	26.00	Rupees Twenty Six Only	M	2080.00
27			Supply and laying bare <b>earthing conductors</b> of the following sizes laid 0.6 m below ground level including excavating trench of suitable size and refilling etc. as required (in ordinary soil).			M	0.00
a	10	Mtr	3.15 mm copper conductor (10 SWG)	77.00	Rupees Seventy Seven Only	M	770.00
28			Supply of superior quality <b>copper earth socket</b> for the following sizes of earth conductors including crimping etc. as required.			E	0.00
a	6	Nos	3.15 mm (10 SWG)	19.00	Rupees Nineteen Only	E	114.00
b	14	Nos	2.00 mm (14 SWG)	18.00	Rupees Eighteen Only	E	252.00
29			Supply and providing following sizes <b>brass bolt and nut</b> with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required			E	0.00
a	15	Nos	25 x 6 mm brass bolt & nut	20.00	Rupees Twenty Only	E	300.00
b	8	Nos	25 x 3mm brass bolt & nut	17.00	Rupees Seventeen Only	E	136.00



## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 135/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 4000 /-

P.A.C.Rs.

155751

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of work : IIP- Repair and renovation works to electrical installation in IB and office building at Malayattoor.

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount
1		<i>Supply</i> , conveyance, installation, testing and commissioning of pre-wired light fitting made from 0.5mmCRCA sheet complete with all accessories and lamps etc. directly on wall <i>using 2 nos. 'C/U' brackets</i> made from 20 x 3 mm MS flat, painting the flat iron bracket and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.				
a	14 Nos	18/20w, 4 feet Cool day light LED Batten with LED tube having light output of 1800 lumens (Philips/ Crompton or equivalent reputed make having similar properties with lumen output not less than 100lm/w.	706.00	Rupees Seven Hundred Six Only	E	9884.00
2	10 Nos	<i>Supply</i> , conveyance, installation, testing and commissioning of pre-wired <i>coridoor light fitting</i> of the type 30 W LED of size dia 300 mm X 65 mm make of K-lite model MONA MIDI-ID-3021 or equalant with all accessories and lamps etc. <i>in porch slab</i> and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required, minimum 100 lumen/watt output.	5653.00	Rupees Five Thousand Six Hundred Fifty Three Only	E	56530.00
3		Supply and providing the following types and power rated <i>lamps</i> in the existing fittings as required			E	0.00
a	16 Nos	Dwarf size 8 W BC / ES / E14 retrofit CFL	144.00	Rupees One Hundred Forty Four Only	E	2304.00
4		Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories, 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.			E	0.00
a	6 Nos	1200 mm sweep - 5 star	1853.00	Rupees One Thousand Eight Hundred Fifty Three Only	E	11118.00
5		Supply and fixing the following sizes of PVC Conduit conforming to IS 9537 / 1983 part III along with all required accessories on surface including making good the damages etc as required.			E	0.00
a	85 m	20 mm dia light gauge	83.00	Rupees Eighty Three Only	m	7055.00



6			Supply and drawing 650/1100 V grade PVC insulated stranded single core copper conductor cables conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.			E	0.00
a	20	m	1.50 sq mm 3 run	77.00	Rupees Seventy Seven Only	m	1540.00
b	60	m	2.50 sq mm 2 run	81.00	Rupees Eighty One Only	m	4860.00
c	40	m	4.00 sq mm 2 run	106.00	Rupees One Hundred Six Only	m	4240.00
d	10	m	6.00 sqmm 4run	260.00	Rupees Two Hundred Sixty Only	m	2600.00
7			Supply & Fixing the following types/ sizes of boxes suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required (ROHS)				
a	2	Nos	1 module metal box in recess	165.00	Rupees One Hundred Sixty Five Only	E	330.00
b	4	Nos	2 module metal box in recess	165.00	Rupees One Hundred Sixty Five Only	E	660.00
c	3	Nos	3 module metal box in recess	180.00	Rupees One Hundred Eighty Only	E	540.00
d	2	Nos	4 module metal box in recess	180.00	Rupees One Hundred Eighty Only	E	360.00
e	2	Nos	6 module metal box in recess	198.00	Rupees One Hundred Ninty Eight Only	E	396.00
8			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. (RoHS)			E	0.00
a	2	Nos	1 module white/ off-white	101.00	Rupees One Hundred One Only	E	202.00
b	4	Nos	2 module white/ off-white	101.00	Rupees One Hundred One Only	E	404.00
c	3	Nos	3 module white/ off-white	116.00	Rupees One Hundred Sixteen Only	E	348.00
d	2	Nos	4 module white/ off-white	119.00	Rupees One Hundred Nineteen Only	E	238.00
e	2	Nos	6 module white/ off-white	152.00	Rupees One Hundred Fifty Two Only	E	304.00
9			Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group B)			E	0.00
a	4	Nos	6 A SP 1 way switch	119.00	Rupees One Hundred Nineteen Only	E	476.00
b	3	Nos	16 A SP 1 way switch	161.00	Rupees One Hundred Sixty One Only	E	483.00
c	2	Nos	20 A DP switch with ind	304.00	Rupees Three Hundred Four Only	E	608.00
d	4	Nos	6A 3 pin shuttered socket	157.00	Rupees One Hundred Fifty Seven Only	E	628.00
e	3	Nos	6/16 A socket	223.00	Rupees Two Hundred Twenty Three Only	E	669.00
f	2	Nos	20 A socket	223.00	Rupees Two Hundred Twenty Three Only	E	446.00
10			Supply and installation of the following accessories suitable for 50 Hz, AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required. (Group B)			E	0.00

a	1	Nos	40 A double pole mini break isolator	356.00	Rupees Three Hundred Fifty Six Only	E	356.00
b	1	Nos	63 A four pole mini break isolator	752.00	Rupees Seven Hundred Fifty Two Only	E	752.00
c	1	Nos	25 A, 4 pole, 30 mA RCCB	2744.00	Rupees Two Thousand Seven Hundred Forty Four Only	E	2744.00
d	1	Nos	63 A, 4 pole, 30 mA RCCB	3188.00	Rupees Three Thousand One Hundred Eighty Eight Only	E	3188.00
e	20	Nos	6 A to 32 A, 10 kA, SP MCB (C curve)	219.00	Rupees Two Hundred Nineteen Only	E	4380.00
11			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.			E	0.00
a	1	Nos	2 core 4 sq mm with factory made clamp	135.00	Rupees One Hundred Thirty Five Only	E	135.00
12			Supply & laying of one number PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of the following sizes in the existing RCC/ HUME / STONE WARE/ GI/ DWC pipe as required.			E	0.00
a	20	m	2 core 4 sq mm	128.00	Rupees One Hundred Twenty Eight Only	m	2560.00
13			Supply & laying of DWC pipe in <b>ordinary soil</b> 0.75m below ground level including excavation			E	0.00
a	20	m	40 / 32 mm or nearest size	122.00	Rupees One Hundred Twenty Two Only	m	2440.00
14			Supplying siemens / tropodur type nickel plated <b>Double</b> compression brass cable gland for PVC insulated and PVC sheathed armoured aluminium/ copper conductor cable 1.1 KV grade, and making end termination suitable for 2/ 3/ 3½/ 4 core cable of the following sizes as required.			E	0.00
a	2	Nos	4 sq mm	221.00	Rupees Two Hundred Twenty One Only	E	442.00
15			Supplying and providing earth clamps for siemens/ tropodur type cable glands of suitable length and other dimensions noted along with each size of glands for the following sizes of cables as required.			E	0.00
a	2	Nos	4sqmm-16 sq mm with 12 mm wide x 1 mm thick clip	18.00	Rupees Eighteen Only	E	36.00
16			Supply of superior quality aluminium tubular cable socket and making core termination of cables of the following sizes including crimping etc. as required.				0.00
a	4	Nos	4 sq mm	12.40	Rupees Twelve & Paise Forty Only	E	49.60

17	2	Nos	Supply route marker with 102mmx102mm <i>cast iron, spike</i> 5mm thick with inscription ' <i>LT Cable</i> ' there on bolted / welded to 35x35x6mm angle iron 60cm long and fixing the same in ground as required.	194.00	Rupees One Hundred Ninty Four Only	E	388.00
18			Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.				0.00
a	65	m	2.00 mm copper conductor (14 SWG)	26.00	Rupees Twenty Six Only	M	1690.00
b	30	m	2.65 mm copper conductor (12 SWG)	43.00	Rupees Forty Three Only	M	1290.00
c	20	m	3.15 mm copper conductor (10 SWG)	62.00	Rupees Sixty Two Only	M	1240.00
19			supply of superior quality copper earth socket for the following sizes of earth conductor including crimping etc. as required.				0.00
a	20	Nos	2.00 mm (14 SWG)	18.00	Rupees Eighteen Only	E	360.00
b	6	Nos	2.65 mm (12 SWG)	19.00	Rupees Ninteen Only	E	114.00
c	6	Nos	3.15 mm (10 SWG)	19.00	Rupees Ninteen Only	E	114.00
20			Supply and providing the following sizes of bolt and nut with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required				0.00
a	26	Nos	12 x 3 mm brass bolt & nut	11.30	Rupees Eleven & Paise Thirty Only	E	293.80
b	6	Nos	25 x 3mm brass bolt & nut	17.00	Rupees Seventeen Only	E	102.00
21	1	Nos	Supply and Fixing single phase 0.5 to2.5 HP coil operated DOL starter on existing box as per the instruction of Engineering in Charge.	1198.00	Rupees One Thousand One Hundred Ninty Eight Only	E	1198.00
22	1	Nos	Supply and fixing terminal connectors for existing motor starter units 4 way, 15a/500v closed type connectors Duly Cut and varnished Backlite as per the instruction of the engineer in charge	87.00	Rupees Eighty Seven Only	E	87.00
23	1	Nos	Supply, installation & testing of the following types of voltage surge and lightning portector(3ph+N protecting supply against transmit micro surges of 8/20 us ) conforming to relevent ISS in the enclosure and giving connections as required- 4pole high protection VSPs 230/400V AC (Imax 50kA or higher rated,UP 1.4KV porotection level) .Type 1+2 protection required.ABB/DEHN or equivalent.Enclosure with din bar fabricated in 2.00 mm CRCA sheet (as per the specification of the panel board) As per direction of engineer in charge.	17569.00	Rupees Seventeen Thousand Five Hundred Sixty Nine Only	E	17569.00
24		LS	Amount for unforeseen	7000.00	Rupees Seven Thousand Only	LS	7000.00
					Total PAC		155751.40



## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 136/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000 /-

P.A.C.Rs.

184817

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of Work :--IIP-Electrical maintainance work for Pavalian at Bhoothathankettu and engaging watchman.

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount
1		Supply and wiring points according to IS 732-1989 using rigid PVC ivory conduit of minimum size 20 mm conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade,including providing switch board main ,and continuous earthing with 1.5sqmm green coloured FR wire , required qty of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required.				
a	8 NOS	Single control light point with 6A, 3 plate ceiling rose	841.00	Rupees Eight Hundred Forty One Only	E	6728.00
b	1 Nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	1498	Rupees One Thousand Four Hundred Ninty Eight Only	E	1498.00
c	2 nos	Independent plug	561.00	Rupees Five Hundred Sixty One Only	E	1122.00
2		Supply and fixing the following sizes of <i>PVC Conduit</i> conforming to IS 9537 / 1983 part III along with all required accessories <i>on surface</i> including making good the damages etc as required.			E	0.00
a	60 M	20 mm dia medium gauge	83.00	Rupees Eighty Three Only	M	4980.00
3		Supply & Fixing the following types/ sizes of boxes suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required ( <i>ROHS</i> )				0.00
a	2 No.	2 module metal box in recess	165.00	Rupees One Hundred Sixty Five Only	E	330.00
b	2 Nos	1 module metal box in recess	165.00	Rupees One Hundred Sixty Five Only	E	330.00
4		Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. ( <i>RoHS</i> )				0.00
a	2 No.	2 module white/ off-white	101.00	Rupees One Hundred One Only	E	202.00
b	2 no	1 module white/ off-white	101.00	Rupees One Hundred One Only	E	202.00
5		Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group B)				0.00

a	2	No.	16 A SP 1 way switch	161.00	Rupees One Hundred Sixty One Only	E	322.00
6			<i>Supply</i> , conveyance, installation, testing and commissioning of <b>pre-wired light fitting</b> made from 0.5mmCRCA sheet complete with all accessories and lamps etc. directly on wall <i>using 2 nos. 'C/U' brackets</i> made from 20 x 3 mm MS flat, painting the flat iron bracket and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.				0.00
a	4	Nos	18w/20w LED tube light 4 feet fittings make PHILIPS,CROMPTON OR Equalant make with 100 lumen/watt output minimum	706.00	Rupees Seven Hundred Six Only	E	2824.00
7	6	Nos	Supply and providing the Dwarf size 14 W BC / ES / E14 retrofit CFL in the existing fittings as required	179.00	Rupees One Hundred Seventy Nine Only	E	1074.00
8			<i>Supply</i> , conveyance, installation, testing and commissioning <i>wall mounting fan</i> of the following sizes using mounting brackets supplied along with the fan and giving connection with existing wire.				0.00
a	2	Nos	400 mm sweep	1746.00	Rupees One Thousand Seven Hundred Forty Six Only	E	3492.00
9			<i>Supply, conveyance, installation, testing and commissioning</i> of the following sizes of <i>exhaust fans</i> in the existing opening, fixing necessary bolt and nuts, making good the damages etc. as required including giving connections with required length of 24/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS.				0.00
a	2	Nos	200 mm, single phase, light duty exhaust fan in plastic body with self opening louvers	1538.00	Rupees One Thousand Five Hundred Thirty Eight Only	E	3076.00
10	2	Nos	<i>Charges for cutting holes</i> suitable for accommodating <i>exhaust fans</i> of sizes up to 305 mm sweep including plastering, colour washing etc. as required.	294.00	Rupees Two Hundred Ninty Four Only	E	588.00
11	1	Nos	<i>Supply, conveyance, installation, testing and commissioning of ceiling fans</i> of 1200 mm sweep - 5 star rated 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.	1853.00	Rupees One Thousand Eight Hundred Fifty Three Only	E	1853.00
12	1	Nos	Supply and installation of suitable size <b>MS rod type fan clamp</b> as per IS 732 as required.	124.00	Rupees One Hundred Twenty Four Only	E	124.00
13	0.5	Mtr	Supply and providing every <b>additional length of down rod</b> of suitable size heavy gauge GI / WI pipe with 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming in relevant ISS or with original wiring extended including painting as required.	115.00	Rupees One Hundred Fifteen Only	M	57.50

14	2	Nos	Supply, conveyance, installation, testing and commissioning of pre-wired <i>coridoor light fitting</i> of the type 30 W LED of size dia 300 mm X 65 mm make of K-lite model MONA MIDI-ID-3021 or equalant with all accessories and lamps etc. <i>in porch slab</i> and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required, minimum 100 lumen/watt output.	5653.00	Rupees Five Thousand Six Hundred Fifty Three Only	E	11306.00
15			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				0.00
a	1	Nos	12 way single phase double cover (IP 42/43)	1899.00	Rupees One Thousand Eight Hundred Ninty Nine Only	E	1899.00
16			Supply and installation of the following <i>accessories</i> suitable for 50 Hz, AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required				0.00
a	1	nos	40 A double pole mini break isolator	356.00	Rupees Three Hundred Fifty Six Only	E	356.00
b	1	nos	40 A, 2 pole, 30 mA RCCB	2357.00	Rupees Two Thousand Three Hundred Fifty Seven Only	E	2357.00
c	8	nos	6-32A (C curve)	219.00	Rupees Two Hundred Ninteen Only	E	1752.00
17	2	Nos	Supply, Conveyance, installation, testing and commissioning of 1.5 TR (ton) split inverter Air Conditioner (At least 3 star rating) Blue star/LG/Daikin or equivalent with voltage stabiliser of 5 kva V guard or equivalent and all necessary accessories for wall mounting, copper piping for 3 meter, necessary length of drainage piping and included cutting holes.	58079.00	Rupees Fifty Eight Thousand Seventy Nine Only	E	116158.00
18			Supply and drawing 650/1100 V grade <i>PVC insulated stranded single core copper conductor cables</i> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.			E	0.00
a	60	m	2.50 sq mm 2 run	81.00	Rupees Eighty One Only	M	4860.00
b	10	m	4.00 sq mm 2 run	106.00	Rupees One Hundred Six Only	M	1060.00
19			Supply and drawing bare <i>earthing conductors</i> of the following sizes <i>along with wiring/ cables</i> and giving connection as required.				0.00
a	60	m	2.0 mm copper conductor (14 SWG)	26.00	Rupees Twenty Six Only	M	1560.00
b	10	m	3.15 mm copper conductor (10 SWG)	62.00	Rupees Sixty Two Only	M	620.00

20	1	Nos	Supply and providing <b>plate earthing</b> as per IS 3043 with 600x600x6.30 mm GI/CI earth plate , 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of charcoal including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but excluding test joint, earth continuity conductor to the plate, and covering at the top. <i>(in ordinary soil)</i>	3917.00	Rupees Three Thousand Nine Hundred Seventeen Only	E	3917.00
21	1	Nos	Supply and providing the 300x300x6 mm sizes of <b>cast iron gully trap</b> with covering at the top of the inspection chamber of earth pit as required	267.00	Rupees Two Hundred Sixty Seven Only	E	267.00
22	0.3	Mtr	Supply and providing <b>test joint</b> for the earthing system using 2 Nos of 2 x 25 x 3 mm GI strip including cutting and bending to shape, drilling necessary holes and fixed to the watering pipe etc as required.	165.00	Rupees One Hundred Sixty Five Only	M	49.50
23	3.2	Mtr	Supply and providing <b>earth lead</b> from the test joint to the earth electrode 25 x 3 mm GI strips including cutting, drilling necessary holes (in case of strip) and fixing firmly with plate test joint etc as required.	73.00	Rupees Seventy Three Only	M	233.60
24			Supplying , threading , laying and jointing of the following sizes of 'B' class GI pipe with all required accessories in ground in the existing trench as protective covering to earth leads.				0.00
a	3	Mtr	15 mm dia	90.00	Rupees Ninty Only	m	270.00
25			Supply of superior quality <b>copper earth socket</b> for the following sizes of earth conductors including crimping etc. as required.			E	0.00
a	4	Nos	3.15 mm (10 SWG)	19.00	Rupees Nineteen Only	E	76.00
b	2	Nos	2.00 mm (14 SWG)	18.00	Rupees Eighteen Only	E	36.00
26			Supply and providing following sizes <b>brass bolt and nut</b> with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required			E	0.00
a	2	Nos	25 x 6 mm brass bolt & nut	20.00	Rupees Twenty Only	E	40.00
27	1	Nos	Fabrication, supply & installation of dust and vermin proof, wall mounting, thermoplastic meter box of 300x300x170mm suitable for fixing KSEB meter, fuse units, CT etc, hinged door construction for the front side with compartments if necessary, providing vision panel for the meter compartment, knock out for cable entry and exit.	3848.00	Rupees Three Thousand Eight Hundred Forty Eight Only	E	3848.00
28			Supply and fixing the following accessories in the existing meter board and giving connections etc.				0.00
a	1	Nos	32 A, 415 V Bachelite fuse fitting	150.00	Rupees One Hundred Fifty Only	E	150.00
b	1	Nos	20-32 A, bolted offset tag type fuse link of size A1L	94.00	Rupees Ninety Four Only	E	94.00
c	1	Nos	32 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.	105.00	Rupees One Hundred Five Only	E	105.00
29	1	LS	KSEB Charges for meter shifting and service connection charges	5000.00	Rupees Five Thousand Only	LS	5000.00





## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 137/TR/AEE/2017-18

T O C : 10 days

EMD . Rs. 1000 /-

P.A.C.Rs.

37899

Due date of Tender:15/03/2018

Rate of Tender Schedule: 300 + GST

Name of work : Elecrtification of MVIP Quality control lab at Koothattukulam.

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount
1		<i>Supply and fixing the following sizes of PVC Conduit conforming to IS 9537 / 1983 part III along with all required accessories on surface including making good the damages etc as required.</i>				
a	5	Mtr 20 mm dia light gauge	83.00	Rupees Eighty Three Only	M	415.00
b	6	Mtr 25 mm dia light gauge	95.00	Rupees Ninty Five Only	M	570.00
2		<i>Supply and drawing 650/1100 V grade PVC insulated stranded single core copper conductor cables conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.</i>				0.00
a	4	Mtr 4.00 sq mm 3 run	145.00	Rupees One Hundred Forty Five Only	M	580.00
b	3	Mtr 6.00 sqmm 4run	260.00	Rupees Two Hundred Sixty Only	M	780.00
3		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				0.00
a	1	Nos 4 way (8+12) - three phase double cover (IP 42/43)	3329.00	Rupees Three Thousand Three Hundred Twenty Nine Only	E	3329.00
b	1	Nos TP enclosure for independent mounting of MCB/ RCCB/ RCBO	598.00	Rupees Five Hundred Ninty Eight Only	E	598.00
4		<i>Supply and installation of the following accessories suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required</i>				0.00
a	1	Nos 63 A four pole mini break isolator	752.00	Rupees Seven Hundred Fifty Two Only	E	752.00
b	1	Nos 63 A, 4 pole, 30 mA RCCB	3188	Rupees Three Thousand One Hundred Eighty Eight Only	E	3188.00
c	3	Nos 6-32A( C curve)	219.00	Rupees Two Hundred Nineteen Only	E	657.00
c	1	Nos 40 A, 10 kA, TP MCB (C curve)	1369.00	Rupees One Thousand Three Hundred Sixty Nine Only	E	1369.00
d	1	Nos 40 A triple pole mini break isolator	568.00	Rupees Five Hundred Sixty Eight Only	E	568.00

5	2	Nos	Supply and providing <i>plate earthing</i> as per IS 3043 with 600x600x6.30 mm GI/CI earth plate , 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of charcoal including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but excluding test joint, earth continuity conductor to the plate, and covering at the top. ( <i>in ordinary soil</i> )	3917.00	Rupees Three Thousand Nine Hundred Seventeen Only	E	7834.00
6	2	Nos	Supply and providing the 300x300x6 mm sizes of <i>cast iron gully trap with covering</i> at the top of the inspection chamber of earth pit as required	267.00	Rupees Two Hundred Sixty Seven Only	E	534.00
7	0.6	Mtr	<i>Supply and providing test joint for the earthing system using 2 Nos of 2 x 25 x 3 mm GI strip including cutting and bending to shape, drilling necessary holes and fixed to the watering pipe etc as required.</i>	165.00	Rupees One Hundred Sixty Five Only	M	99.00
8	6.5	Mtr	Supply and providing <i>earth lead from the test joint to the earth electrode</i> using the following sizes of conductors/ strips including cutting, drilling necessary holes (in case of strip) and fixing firmly with plate test joint etc as required.25x3 mm GI strip	73.00	Rupees Seventy Three Only	M	474.50
9	2	Mtr	Supplying, threading, laying and jointing of 15mm 'B' class <i>GI pipe</i> with all required accessories <i>in ground in the existing trench</i> as protective covering to earth leads.	90.00	Rupees Ninty Only	M	180.00
10			<i>Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.</i>				0.00
a	15	Mtr	3.15 mm copper conductor (10 SWG)	62.00	Rupees Sixty Two Only	M	930.00
11			<i>Supply of superior quality copper earth socket for the following sizes of earth conductors including crimping etc. as required.</i>				0.00
a	6	Nos	3.15 mm (10 SWG)	19.00	Rupees Ninteen Only	E	114.00
12			<i>Supply and providing following sizes brass bolt and nut with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required</i>				0.00
a	6	Nos	25 x 6 mm brass bolt & nut	20.00	Rupees Twenty Only	E	120.00
b	4	Nos	25 x 3mm brass bolt & nut	17.00	Rupees Seventeen Only	E	68.00
13	1	Nos	Fabrication, supply & installation of dust and vermin proof, wall mounting, thermoplastic meter box of 450x300x214mm suitable for fixing KSEB meter,fuse units, CT etc, hinged door construction for the front side with compartments if necessary, providing vision panel for the meter compartment, knock out for cable entry and exit.	5221.00	Rupees Five Thousand Two Hundred Twenty One Only	E	5221.00
14			<i>Supply and fixing the following accessories in the existing meter board and giving connections etc.</i>				0.00
a	3	Nos	63 A, 415 V Backelite fuse fitting	251.00	Rupees Two Hundred Fifty One Only	E	753.00
b	3	Nos	35-63 A, bolted offset tag type fuse link of size AIL	106.00	Rupees One Hundred Six Only	E	318.00
c	1	Nos	63 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.	183.00	Rupees One Hundred Eighty Three Only	E	183.00



## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 138/TR/AEE/2017-18

T O C : 7 days

EMD .Rs. 1000 /-

P.A.C.Rs.

36729

Due date of Tender:15/03/2018

Rate of Tender Schedule: 300 + GST

Name of Work : - Maintenance of LIS 2017-18 Re-winding of 50HP slip ring induction motor ( Rotor ) at Neduvannoor LIS

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount
1	1 No.	Disconnecting the 50HP slip ring induction motor from starter, decoupling from pump, dismantling from base plate, and keep it in the pump house.including testing the windings	1560.00	Rupees One Thousand Five Hundred Sixty Only	E	1560.00
2	1 No.	Leading the burnt 50 HP motor from pmup house to the nearest road side, loading into the vehicle and transporting to the nearest workshop including charges for loading and unloading etc.	1534.00	Rupees One Thousand Five Hundred Thirty Four Only	E	1534.00
3	1 No	Charges for removing the damaged rotor winding from the rotor slots, cleaning the slots neatly, insulating the slots with correct class of insulating paper, winding the rotor with same size copper winding wire, after giving proper insulation, closing the rotor slots, putting proper inter layer insulation, providing the end connection, providing new rotor lead wire, steel binding the overhang with proper insulation at both ends, heating the coils and varnishing with good quality insulation varnish, keep it for drying, re assembling test run etc (Less the cost of scarp copper wire)	29180.00	Rupees Twenty Nine Thousand One Hundred Eighty Only	E	29180.00
4	1 set	Leading the rewind 50 HP motor from work shop to the nearest road side, loading into the vehicle and transporting to the pump house including charges for loading and unloading etc	1534.00	Rupees One Thousand Five Hundred Thirty Four Only	E	1534.00
5	1 set	Coupling the 50 HP motor and pump and refit on the base plate ,correcting the alignment and connect all electrical connection to motor and testing the motor etc.	2921.00	Rupees Two Thousand Nine Hundred Twenty One Only	E	2921.00
				Total PAC		36729.00
				<b>Assistant Executive Engineer.</b>		
I..... do hereby agree to undertake to execute the work at..... ( in words.....) % below/ above/ Estimate Rate.						
<b>Contractor.</b>			<b>Assistant Executive Engineer.</b>			

## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 139/TR/AEE/2017-18

T O C : 10 days

EMD . Rs. 5000 /-

P.A.C.Rs.

199217

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of Work: - Maintenance of LIS 2017-18 Ugent Repairs and over hauling to 250 KVA Transformers at Sreebhoothapuram No.1 L.I Scheme.

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount
1	1 set	Disconnecting the incoming and out going connections of 2 Nos 250 KVA oil cooled out door transformer, after de - energising the HT supply by the Supply authorities, and loading it in to vehicle, Transporting to the nearest transformer work shop.	8757.00	Rupees Eight Thousand Seven Hundred Fifty Seven Only	E	8757.00
2	2 No.	Un loading the 250 KVA, 11kV/415 V out door transformer, at work shop, conducting the insulation resistance, draining out the transformer oil , open the top cover,taking out the core coil assembly, inspecting the core coil assembly for any loose connections, tightness of core, damage of insulation blocks, sleeves, brazed joints etc, brazing the L.T/ HT connections as needed, flushing the tank and radiators, checking the tap changer functioning, baking the core coil assembly in oven, replacing the entire gasket and seals, Re- tanking the core coil assembly, filling back the drained oil, top up the oil up to required level, circulating/ filtering the oil, with steamline filter, and attending minor repairs to transformer tank, scrapping , cleaning and painting the transformer tank with enamel paint, testing the transformer, providing test certificate, loading the transformer to lorry etc as required	75520.00	Rupees Seventy Five Thousand Five Hundred Twenty Only	E	151040.00
3	175 Ltr	Supply and filling best quality Transformer Oil to the starter and regulator tank including conveyance charges	165.00	Rupees One Hundred Sixty Five Only	L	28875.00
4	2 No	Supply and providing Silica gel breather with gel for 250 KVA Transformer.	894.00	Rupees Eight Hundred Ninty Four Only	E	1788.00
5	1 set	Transporting the 2 Nos 250 KVA oil cooled out door transformer, to Sreebhoothapuram No.1 L.I scheme, unloading the transformers, placing them at original position, connecting the incoming and out going connections after de - energising the HT supply by the Supply authorities, testing and trial run at load.	8757.00	Rupees Eight Thousand Seven Hundred Fifty Seven Only	E	8757.00
				Total PAC		199217.00



## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 140/TR/AEE/2017-18

T O C : 7 days

EMD . Rs. 2500 /-

P.A.C.Rs.

92798

Due date of Tender:15/03/2018

Rate of Tender Schedule: 500 + GST

Name of work :- Erection, Testing and Commissioning of 60 HP Motor Pump set Kanjur LIS in Kalady section.

Sl No	Qty	Description of work	Rate	Rate in Words	Unit	Amount
<b>Part - I - erection of pump set and Vacuum pipe line</b>						0.00
1	0.5	mtr	Fabrication,Supply,conveyance and erecting 25 mm class B heavy duty GI pipe with suitable specials such as coupler, union, bend, etc. and fixing on suction/delivery side of 5 HP Vacuum pumpset using shellack, rubber packing, bolt, nut and washer etc. complete as per the direction of the departmental officers at site	323.00	Rupees Three Hundred Twenty Three Only	M 161.50
2	2	mtr	Supply and fitting 25 mm corrugated PVC flexible conduit/pipeincluding specials such as hose collar, hose clamp etc. complete as per the direction of the departmental officers at site	222.00	Rupees Two Hundred Twenty Two Only	M 444.00
3	1	nos	Supply and fitting 25 mm full way wheel valve including specials such as hose collar, hose clamp etc. complete as per the direction of the departmental officers at site	567.00	Rupees Five Hundred Sixty Seven Only	E 567.00
<b>Part - II - Electrification</b>						
1	22	mtr	Supply and clamping 50 mm dia PVC pipe(8 Kgf / cm <sup>2</sup> ) on wall with all required accessories including cutting and making good the walls, colour washing etc. as required as protective covering to cables.	93.00	Rupees Ninty Three Only	M 2046.00
2	12	mtr	Supply and drawing 650/1100 V grade PVC insulated stranded single core copper conductor cables conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of 3 run 50 sq.mm size.	2189.00	Rupees Two Thousand One Hundred Eighty Nine Only	M 26268.00
3	12	mtr	Do -- 6 run 25 sq mm PVC insulated copper wire conforming to ISS throw existing conduit and giving connection	2255.00	Rupees Two Thousand Two Hundred Fifty Five Only	M 27060.00
4	6	No	Supply of superior quality copper tubular cable socket and making core termination of cables of 50 sq mm sizes including crimping etc. as required.	47.00	Rupees Forty Seven Only	E 282.00
5	12	No	Do-----25 sqmm -----Do	32.00	Rupees Thirty Two Only	E 384.00
6	1	No	Fitting FASD starter for 60 HP squirrel cage Induction motor on existing angle iron frame and giving necessary connections as required.	993.00	Rupees Nine Hundred Ninty Three Only	E 993.00
7			Supply and installation of switch gear units in sheet steel enclosure complete with handle assembly, door interlock and pad locking arrangement of the following ratings on existing angle iron frame work or directly to wall using necessary bolts & nuts, fixing the unit to wall, making good the damages, colour washing etc. including giving necessary connections as required. (excluding cost of HRC fuse links in case of SDF/ SDFCO)			0.00



a	1	No	200 A, 415 V, 50 Hz, AC 23 A duty, TP/ TPN switch disconnecter unit	11013.00	Rupees Eleven Thousand Thirteen Only	E	11013.00
8	95	kg	Supplying and installation including all manner of supports/ suspenders, anchor bolts etc for <i>cable trays</i> made out of suitable size channel sections, slotted angles, flats, MS plates etc as required including painting with 2 coats of synthetic enamel paint over a coat of zinc chromate primer, making good the damages, colour washing etc as required.	110.00	Rupees One Hundred Ten Only	KG	10450.00
9	40	kg	Fabrication, supply, conveyance and fixing <i>cable entry/ wire way box</i> made out 1.60 mm CRCA sheet of suitable size to match the switch gear and enabling the cables to be connected without strain, <i>powder coated</i> after subjecting to 7 tank process & with drilled holes and mounting to the switch gear etc as required.	163.00	Rupees One Hundred Sixty Three Only	KG	6520.00
10	20	M	Supply and drawing bare <i>earthing conductors</i> of 6 mm (4 swg) sizes <i>along with wiring/ cables</i> and giving connection as required.	189.00	Rupees One Hundred Eighty Nine Only	M	3780.00
11	20	M	Do ..... 3.15 mm copper conductor (10 SWG) ...do ..	62.00	Rupees Sixty Two Only	M	1240.00
12	4	No.	supply of superior quality <i>copper earth socket</i> for 6 mm ( 4 SWG) sizes of earth conductor including crimping etc. as required.	35.00	Rupees Thirty Five Only	E	140.00
13	4	No.	Do ..... 3.15 mm copper conductor (10 SWG) ...do ..	19.00	Rupees Nineteen Only	E	76.00
14	0.3	M	Do....25x6 mm copper flat earth bus with drilled holes and tinned at the points of contacts	960.00	Rupees Nine Hundred Sixty Only	M	288.00
15	10	No.	Supply and providing 25 x 6 mm brass <i>bolt and nut</i> with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required	20.00	Rupees Twenty Only	E	200.00
16	3	No.	S & F 125A DIN size00 HRC fuses in the existing SDF	295.00	Rupees Two Hundred Ninty Five Only	E	885.00
					Total PAC		92797.50
					<b>Assistant Executive Engineer.</b>		
I..... do hereby agree to undertake to execute the work at..... ( in words..... ) % below/ above/ Estimate Rate.							
<b>Contractor.</b>				<b>Assistant Executive Engineer.</b>			