

**കേരള സർക്കാർ**

**ജല വിഭവ വകുപ്പ് ഇലക്ട്രിക്കൽ വിഭാഗം സബ് ഡിവിഷൻ ആലുവ, എറണാകുളം**

**പുനർ ദർഘാസ് പരസ്യം.**

ദർഘാസ് പരസ്യ നമ്പർ : 9 / TENDER - ELE (1) / 17 - 18

തീയതി : 9/01/2018

കേരള ഗവർണ്ണർക്ക് വേണ്ടി താഴെ പറയുന്ന പ്രവർത്തനങ്ങൾക്ക് യോഗ്യതയുള്ള കരാറുകാരിൽ നിന്നും മത്സര സ്വഭാവമുള്ള ദർഘാസുകൾ പ്രവർത്തിയുടെ പേർ ആലേഖനം ചെയ്തിട്ടുള്ള മുദ്ര വെച്ച കവറുകളിൽ സ്പീഡ് പോസ്റ്റ് മുഖേന ക്ഷണിച്ചു കൊള്ളുന്നു. ദർഘാസ് പ്രമാണങ്ങൾ കേരള ഇറിഗേഷൻ ഡിപ്പാർട്ട്മെന്റ് ഓഫീഷ്യൽ വെബ് സൈറ്റിൽ നിന്നും ഡൗൺലോഡ് ചെയ്തെടുക്കേണ്ടതാണ്. സർക്കാർ ട്രഷറിയിൽ പ്രമാണത്തിന്റെ വിലയും, വിൽപ്പന നികുതിയും അടച്ച് പുരിപ്പിച്ച ദർഘാസ് 200 രൂപ മുദ്രപത്രത്തിൽ ടൈപ്പ് ചെയ്ത പ്രാഥമിക ഉടമ്പടി , നിരതദ്രവ്യം, കോൺട്രാക്ടർ ലൈസൻസ് എന്നിവ അടക്കം ചെയ്ത സീൽ വെച്ച കവറുകൾ പ്രവർത്തിയുടെ പേർ എഴുതി 18/01/2018 3.30 മണിക്ക് മുമ്പായി സ്പീഡ് പോസ്റ്റ് ആയി മാത്രം ഈ ഓഫീസിൽ എത്തിക്കേണ്ടതാണ് . തപാലിൽ ഉണ്ടാകുന്ന കാലതാമസത്തിന് ഈ വകുപ്പ് ഉത്തരവാദി ആയിരിക്കുന്നതല്ല .ദർഘാസ് 18/01/2018 വൈകുന്നേരം 4 മണിക്ക് ശേഷം അസിസ്റ്റന്റ് എക്സിക്യൂട്ടീവ് എഞ്ചിനീയറോ അദ്ദേഹം അധികാരപ്പെടുത്തിയ ഉദ്യോഗസ്ഥനോ അപ്പോൾ ഹാജരുള്ള കരാറുകാരുടെ സാന്നിധ്യത്തിൽ തുറക്കുന്നതാണ് .

ക്രമ നമ്പർ	ദർഘാസ് നമ്പർ	പ്രവർത്തിയുടെ പേർ	ഉദ്ദേശ അടങ്കൽ തുക	പ്രമാണത്തിന്റെ വില	നിരത ദ്രവ്യം	പ്രവർത്തിയുടെ കാലാവധി
1	99/TR/AEE/17-18 (പുനർ ദർഘാസ് )	കാലടി ഇലക്ട്രിക് സെക്ഷൻ കീഴിലുള്ള ശ്രീഭൂതപുരം നമ്പർ 1 ലിഫ്റ്റ് ഇറിഗേഷൻ സ്കീമിൽ സർവീസ് കേബിൾ സ്ഥാപിക്കലും അനുബന്ധ പ്രവർത്തികളും	98000	500 + GST	2500/	30 ദിവസം
2	120/TR/AEE/17-18 (പുനർ ദർഘാസ് )	കുറുമല്ലൂരി പമ്പ് ഹൗസിലെ ട്രാൻസ്ഫോർമർ യാർവിലെ കേടായ സിറ്റി. പിറ്റി യൂണിറ്റ് . എച്ച്റ്റി. റ്റി ഒ.ഡി മിറ്റർ തുടങ്ങിയവ പുതുക്കി. സ്ഥാപിക്കൽ	188000	500 + GST	5000/	20 ദിവസം
3	101/TR/AEE/17-18	പുതുക്കി പണിത ഏർപ്പാട്	200000	500 + GST	5000/	30 ദിവസം

	(പുനർ ദർഘാസ് )	സ്കീമിന്റെ വൈദ്യുതീകരണ പ്രവർത്തികളും മോട്ടോർപമ്പുകൾ തിരിച്ചുപിടിപ്പിക്കലും				
4	102/TR/AEE/17-18 (പുനർ ദർഘാസ് )	പാലക്കുഴ എൽ.ഐ സ്കീമിൽ സി.റ്റി പി.റ്റിയുണിറ്റ്, റ്റി.ഒ.ഡി മിറ്റർ തുടങ്ങിയവ സ്ഥാപിക്കലും അനുബന്ധ പ്രവർത്തികളും	200000	500 + GST	5000/	15 ദിവസം
5	103/TR/AEE/17-18 (പുനർ ദർഘാസ് )	പാലക്കുഴ എൽ.ഐ സ്കീമിലെ മോട്ടോർ പമ്പുകളുടെ ഓവറോളിംഗ് പ്രവർത്തികൾ	100000	500 + GST	2500/	10 ദിവസം
6	104/TR/AEE/17-18 (പുനർ ദർഘാസ് )	എം.വി.ഐ.പി സർക്കിൾ ഓഫീസ് സമുച്ചയത്തിന്റെ റി വയറിംഗ് ജോലികൾ	200000	500 + GST	5000/	30 ദിവസം
7	105/TR/AEE/17-18 (പുനർ ദർഘാസ് )	ഭൂതത്താൻകെട്ട് ട്രി ഹൗസിന്റെ വയറിംഗ് ജോലികളും അനുബന്ധ പ്രവർത്തികളും	200000	500 + GST	5000/	30 ദിവസം
8	106/TR/AEE/17-18 (പുനർ ദർഘാസ് )	കാഞ്ഞൂർ എൽ ഐ സ്കീമിൽ 60 എച്ച് പി മോട്ടോർ പമ്പ് സ്ഥാപിക്കലും അനുബന്ധ പ്രവർത്തികളും	135000	500 + GST	3400/	20 ദിവസം

**കരാറുകാരുടെ യോഗ്യത**

- 1) ക്രമനമ്പർ 3,5,8 മുതലായ പ്രവർത്തികൾക്ക് ജലസേചനം / കുടിവെള്ളം തുടങ്ങിയ ആവശ്യങ്ങൾക്കുള്ള ഉയർന്നശേഷി പമ്പ് സെറ്റുകളുടെ ( 50 എച്ച് പി യും അതിന്മുൻകിലുള്ള ഇലക്ട്രിക്കൽ മോട്ടോർ പമ്പ് സെറ്റുകളുടെ ) അടിയന്തിര അറ്റകുറ്റപ്പണികൾ , റീവൈന്റീംഗ് , പരിപാലനം തുടങ്ങിയ മേഖലകളിൽ ചുരുങ്ങിയത് ഒരു വർഷത്തെ പ്രവർത്തി പരിചയമുള്ള പൊതുമരാമത്ത് വകുപ്പ് ഇലക്ട്രിക്കൽ കരാറുകാർ.
- 2) മേൽ യോഗ്യതയുള്ള കരാറുകാരുടെ അഭാവത്തിൽ എസ് എസ് ഐ രജിസ്ട്രേഷനും ബന്ധപ്പെട്ട ജോലിയിൽ മുൻ പരിചയവും ഉള്ള സ്ഥാപനങ്ങളുടെ ടെണ്ടറുകൾ പരിഗണിക്കുന്നതാണ്.

3) ക്രമനമ്പർ 1,2,4,6,7 മുതലായ പ്രവർത്തികൾക്ക് പൊതുമരാമത്ത് വകുപ്പ് ഇലക്ട്രിക്കൽ എ/ ബി/ സി/ വിഭാഗം ലൈസൻസും ബന്ധപ്പെട്ട ജോലിയിൽ മുൻ പരിചയമുള്ള പൊതുമരാമത്ത് വകുപ്പ് ഇലക്ട്രിക്കൽ കരാറുകാർ.

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



  
 Assistant Executive Engineer  
 Electrical Wing (I) Sub Division, Aiyva  
 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.എ.പി. ഇലക്ട്രിക്കൽ സെക്ഷൻ , മുവാറ്റുപുഴ

✓ ഐ. റ്റി. സെൽ തിരുവനന്തപുരം  
 നോട്ടീസ് ബോർഡ്  
 ഓഫീസ് ഫയൽ

## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 99/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 2500/-

P.A.C.Rs.

96540

Due date of Tender:18/01/2018

Rate of Tender Schedule: 500

Name of work:- Urgent Renewal of damaged incoming UG cable to Sreebhothapuram No.I LIS

Sl.N o.	Qty	Particulars	Rate	Rate in words	Unit	Amount
1	16 m	Supply,laying and jointing of 90/75mm or nearest size of double wall corrugated (DWC) pipes made out of HDPE conforming to IS 14930 Part II for mechanical protection to underground power cables with all required accessories in ground in ordinary soil 0.75m below ground level including excavation and filling trench.	237.00	Rupees Two Hundred Thirty Seven Only	E	3792.00
2	16 m	Do... do. In the existing trench... Do....do.	208.00	Rupees Two Hundred Eight Only	E	3328.00
3	32 m	Supply,laying of one number PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of 3.5 core 240 sq mm sizes in the existing RCC/HUME/STONE Ware/GI/DWC pipe as required.	1267.00	Rupees One Thousand Two Hundred Sixty Seven Only	M	40544.00
4	18 m	Supply,laying and clamping of 1 no.PVC insulated and PVC sheathed armoured aluminium power cable 1.1. KV grade 3.5c 240 sqmm size using clamps of adequate size factory made, spacing of clamps not exceeding 60cms, making good the damages, colour washing etc, as required.	1330.00	Rupees One Thousand Three Hundred Thirty Only	M	23940.00
5	2 Nos	Supply and making outdoor/indoor end termination for 1.1.KV grade PVC/PILC/XLPE cables of 3.5 C 240 sq mm sizes including supply end sealing kit consistign of cable jointing compound, hardener,plastic mould, adhesive-cum-solvent, epoxy putty,earth continuity connection, spaces and PVC(NA) tape.	1695.00	Rupees One Thousand Six Hundred Ninty Five Only	M	3390.00
6	2 Nos	Supply siemens/tropodur type nickel plated Double compression brass cable gland for PVC insulated and PVC sheathed armoured aluminium/copper conductor cable 1.1 KV grade, and making end ermination suitable for 3 1/2 core cable of 240 sq mm sizes as required.	1377.00	Rupees One Thousand Three Hundred Seventy Seven Only	E	2754.00
7	2 Nos	Supplying and providing earth clamps made out of copper strips of 25x3mm for earthing glands of size 240 sq mm sizes including cutting and bending the flat exactly to the shape of the gland, drilling necessary holes for nut & bolt, tinning the points of contacts and giving connections to the main earthing system as required.	142.00	Rupees One Hundred Forty Two Only	E	284.00
8	12 Nos	Supply of superior quality aluminum tubular cable socket and making core termination of cables of 240 sq mm sizes including crimping etc.as	77.00	Rupees Seventy Seven Only	E	924.00

9	4	Nos	Do... do. 120 sq mm	42.00	Rupees Forty Two Only	E	168.00
10	10	m	Supply and providng LT side connection of Transformer to fuse unit with bare conductors of 8mm copper (0 SWG) and giving connection as required.	355.00	Rupees Three Hundred Fifty Five Only	m	3550.00
11	12	m	Supply and drawing basr earthing conductors of 4.75mm copper (6 SWG) along with wiring.cable and giving connections required	133.00	Rupees One Hundred Thirty Three Only	M	1596.00
12	6	m	Do..... For 4.0mm (8 SWG) bare earh copper....Do.....	97.00	Rupees Ninty Seven Only	M	582.00
13	4	Nos	Supply of superior quality copper earth socket for the 4.0 mm(8 SWG) of earth conductor including crimping etc.as required.	23.00	Rupees Twenty Three Only	E	92.00
14	4	Nos	Supply and providing 25x6mm brass bolt & nut with washers on te existing MS box/earth bus etc.as required including drilling necessary holes as required	20.00	Rupees Twenty Only	E	80.00
15	6	Nos	Do..... 30x10mm GI bolt & nut ....Do....	16.00	Rupees Sixteen Only	E	96.00
16	20	kg	Fabrication, supply, conveyance and installation of angle iron frame work for mounting 3 nos 400 A fuse units for the LT side of out door transformer 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 structure using required bolt and nuts making good the damges ect.as required.	126.00	Rupees One Hundred Twenty Six Only	E	2520.00
17	2	Nos	Supply route marker with 152mmx152mm cast iron,spike 5mm thick with inscription 'LT Cable'there on bolted/welded to 35x35x6mm angle iron 60cm long and fixing the same in ground as required.	207.00	Rupees Two Hundred Seven Only	E	414.00
18	3	Nos	Supply and providing 440 V 400 Amps porcelain kit kat type rewirable/HRC type fuse carrier for the LT side of Out door transformer, fixing on existing angle iron/chanel frame work with nut bolt washer ec, giving connectios as required.	1682.00	Rupees One Thousand Six Hundred Eighty Two Only	E	5046.00
19	1	set	Labour Charges for disconnecting the existing Incomming UG cable from both ends,Dismantling whole damaged cables,conveyance the same to the section store with out further damages, including loading,unloaing.	3440.00	Rupees Three Thousand Four Hundred Forty Only	set	3440.00
						PAC Rs.	<b>96540</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 : 101/TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000/-

P.A.C.Rs.

198163

Due date of Tender:18/01/2018

Rate of Tender Schedule: 500

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 pumpset 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 Ninteen 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 : 102 /TR/AEE/2017-18

T O C : 15 days

EMD . Rs. 5000 /-

P.A.C.Rs. 197352

Due date of Tender: 18/01/2018

Rate of Tender Schedule: 500

**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 chrge.	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 : 103 /TR/AEE/2017-18

T O C : 10 days

EMD . Rs. 2500 /-

P.A.C.Rs. 94451

Due date of Tender: 18/01/2018

Rate of Tender Schedule: 500

**Name of work:Palakkuzha LIS-Overhoulng 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 : 104 /TR/AEE/2017-18

T O C : 30 days

EMD . Rs. 5000 /-

P.A.C.Rs. 199955

Due date of Tender: 18/01/2018

Rate of Tender Schedule: 500

## 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			<i>Supply</i> , 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			<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	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	<i>Supply, conveyance, installation, testing and commissioning of ceiling fans</i> of 1200 mm <i>sweep</i> - 5 star rated <i>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 earthing conductors 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 socket</b> for the following sizes of earth conductors including crimping etc. as required.				
a	6	Nos	3.15 mm (10 SWG)	19.00	Rupees Nineteen Only	E	114.00
b	14	Nos	2.65mmcopper conductor (12 SWG)	19.00	Rupees Nineteen Only	E	266.00
34			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				
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 Backelite 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 : 105/TR/AEE/2017-18

T O C : 30 days

EMD .Rs. 5000 /-

P.A.C.Rs.

200000

Due date of Tender: 18/01/2018

Rate of Tender Schedule: 500

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 copper conductor cable 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, modular type front plates (white) 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 lamps 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, bakelite batten holder 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 shades 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., as <i>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 Nineteen 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.				
a	12	Nos	4sqmm-16 sq mm with 12 mm wide x 1 mm thick clip	18	Rupees Eighteen Only	E	216.00



## KERALA IRRIGATION DEPARTMENT (Electrical Wing)

## TENDER SCHEDULE

Tender No : 106/TR/AEE/2017-18

T O C : 20 days

EMD . Rs. 3400 /-

P.A.C.Rs.

132488

Due date of Tender: 18/01/2018

Rate of Tender Schedule: 500

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
1	2 mtr	Fabrication,Supply,conveyance and erecting 40 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	389.00	Rupees Three Hundred Eighty Nine Only	mtr	778.00
2	1 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	mtr	323.00
3	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	mtr	444.00
4	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
5	2 m <sup>3</sup>	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	m <sup>3</sup>	326.02
6	2 m <sup>3</sup>	Supply and providing 1:2:4 cement concrete using 20 mm size broken stone for support to suction / delivery side pipe and motor foundation etc. as required, including proper curing etc. For foundation of motor pump set.	7186.63	Rupees Seven Thousand One Hundred Eighty Six & Paise Sixty Three Only	m <sup>3</sup>	14373.26
7	1 No.	Erection of base plate in correct position and then fitting the 60 HP split case centrifugal pump with 60 HP induction motor fitting on base plate in correct alignment in line and levels to foundation including all labour and hire charges of tools and plants etc complete as per the direction of the departmental officers at site	15065.00	Rupees Fifteen Thousand Sixty Five Only	E	15065.00
8	0.5 m3	Demolishing the existing concrete foundation and disposal of the debris with lead up to 150 m outside the periphery of the area cleared as per the direction of the departmental officers at site	4017.00	Rupees Four Thousand Seventeen Only	m3	2008.50
9	50 Kg	<i>Reinforcement for R.C.C works</i> , bend tied and placed in position (plain grill requiring bend cold) using <i>tor steel</i>	72.90	Rupees Seventy Two & Paise Ninety Only	Kg	3645.00
10	4 m2	plastering with C M 1:4, 12mm thick one coat floated hard and trowelled smooth including cost and conveyance of all material labour charges etc as per the direction of the departmental officers at site Cement 54 kg/10m2)	210.84	Rupees Two Hundred Ten & Paise Eighty Four Only	m2	843.36

11	4	m2	Form work for reinforced cement concrete in slabs including wooden planks , joints , bamboo posts and labour for taking down after completion of work (Hire and labour charges only) as per the direction of the departmental officers at site	484.98	Rupees Four Hundred Eighty Four & Paise Ninty Eight Only	m2	1939.92
<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	mtr	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	mtr	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	mtr	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	100	kg	Supplying and installation including all manner of supports/ suspenders, anchor bolts etc for cable trays 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	11000.00
9	40	kg	Fabrication, supply, conveyance and fixing cable entry/ wire way box made out 1.60 mm CRCA sheet of suitable size to match the switch gear and enabling the cables to be connected without strain, powder coated 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 earthing conductors of 6 mm (4 swg) sizes along with wiring/ cables 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	No.	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		132488.00
					<b><i>Assistant Executive Engineer.</i></b>		
I..... do hereby agree to undertake to execute the work at..... ( in words.....) % below/ above/ Estimate Rate.							
<b><i>Contractor.</i></b>				<b><i>Assistant Executive Engineer.</i></b>			