

കേരള സർക്കാർ
ജലസേചന വകുപ്പ് വൈദ്യുതി ഉപവിഭാഗം, ചാലക്കുടി
പുന:ദർപ്പാസ് പരസ്യം

നമ്പർ ടി.എൻ. 04/2020-21 തീയതി 23/09/2020

കേരള ഗവർണ്ണർക്ക് വേണ്ടി താഴെ പറയുന്ന പ്രവൃത്തികൾക്കുവേണ്ടി യോഗ്യതയുള്ള കരാറുകാരിൽ നിന്ന് മുദ്ര വച്ച മത്സരപാലാവമുള്ള ടെണ്ടറുകൾ ക്ഷണിച്ചുകൊള്ളുന്നു.

ക്രമ നമ്പർ	പ്രവൃത്തിയുടെ പേര്	അടങ്കൽ തുക	നീരത ദ്രവ്യം	ദർപ്പാസ് പ്രമാണത്തിന്റേ വില	ജോലി പൂർത്തിയാക്കുവാൻ ഉള്ള കാലാവധി
1	Rewinding and repair works of Annamanada LIS 75 HP Motor (Re-tender)	Rs.69350/-	Rs.1800/-	555.00+12% GST	30 ദിവസം
2	Supply of 40HP Pump set for Eravakkad LIS in Nenmanikkara Panchayath in Thrissur District electrification works (Re-tender)	Rs.71205/-	Rs.1800/-	555.00+12% GST	10 ദിവസം
3	Renovation of rest room of Pazhayannur LIS- Electrification works (Re-tender)	Rs 5,8887.00	Rs 1500.00	555.00+12% GST	10 ദിവസം
4	Flood relief works - Urgent silt removal and rectification works of breached portion in canals of Pathazhakundu Dam- Electrical works (Re-tender)	Rs 75,481.00	Rs 1900.00	555.00 + 12% GST	15 ദിവസം

കരാറുകാരുടെ യോഗ്യത

എ) പൊതുമരാമത്ത് വകുപ്പ് ഇലക്ട്രിക്കൽ കരാറുകാർ . (എ . ബി . സി വിഭാഗങ്ങൾ)

ബി) മേൽ യോഗ്യതയുള്ള കരാറുകാരുടെ അഭാവത്തിൽ SSI യും GST രജിസ്ട്രേഷനുള്ള ജലസേചന ആവശ്യങ്ങൾക്കുള്ള ഉയർന്ന ശേഷി മോട്ടോർ പമ്പ് സെറ്റുകളുടെ (50 എച്ച് . പി യും അതിനു മുകളിലുള്ള ഇലക്ട്രിക്കൽ മോട്ടോർ പമ്പ് സെറ്റുകൾ) അടിയന്തിര അറ്റകുറ്റപ്പണികൾ , റിവൈൻറിംഗ് , പരിപാലനം തുടങ്ങിയ മേഖലകളിൽ ചുരുങ്ങിയത് ഒരു വർഷത്തെ പ്രവൃത്തി പരിചയമുള്ളവരുടെ ദർപ്പാസുകളും സീക്രീറ്റിക്കുന്നതാണ് ദർപ്പാസ് സംബന്ധിച്ച കൂടുതൽ വിവരങ്ങൾ പ്രവൃത്തി ദിവസങ്ങളിൽ ഈ ഓഫീസിൽ നിന്ന് അറിയാവുന്നതാണ്.

ദർഘാസ് പ്രമാണത്തിന്റെ വില സർക്കാർ ഭാഗിയിൽ 0702-01-800-97 എന്ന ഹെഡ് ഓഫ് അക്കൗണ്ടിലും 12% നികുതി 8443-00-108-00-00-NV എന്ന ഹെഡ് ഓഫ് അക്കൗണ്ടിലും ചലാൻ അടച്ച് രസീത് ഒൻഡർ ചെയ്തുകൊടുക്കാനും സമർപ്പിക്കേണ്ടതാണ്. ഒൻഡർ ചെയ്തുകൊടുക്കേണ്ടതാണ്. ഒൻഡർ ചെയ്തുകൊടുക്കേണ്ടതാണ്. ഒൻഡർ ചെയ്തുകൊടുക്കേണ്ടതാണ്. ഒൻഡർ ചെയ്തുകൊടുക്കേണ്ടതാണ്.

പൂരിപ്പിച്ച ദർഘാസ് 200/ രൂപ മുദ്രപത്രത്തിൽ ടൈപ്പ് ചെയ്ത പ്രാഥമിക ഉടമ്പടി നിരതദ്രവ്യം കോൺട്രാക്ട് ചെയ്ത് ലൈസൻസിന്റെ പകർപ്പ് എന്നിവ സീൽ വച്ച കവറിൽ പ്രവൃത്തിയുടെ പേർ പ്രവൃത്തിയുടെ ക്രമ നമ്പർ എന്നിവ എഴുതി 30/09/2020 തീയതി 2.30 മണിക്ക് മുമ്പായി ഈ ഓഫീസിൽ സ്പർശിച്ച് പേപ്പർ / രജിസ്റ്റർഡ് തപാൽ മുഖേന മാത്രം സമർപ്പിക്കേണ്ടതാണ്. വൈകി ലഭിക്കുന്ന ദർഘാസുകൾ സ്വീകരിക്കുന്നതല്ല. ദർഘാസുകൾ ഹാജരായിട്ടുള്ള കരാറുകാരുടെ സാന്നിദ്ധ്യത്തിൽ അന്നേ ദിവസം 3 PM ന് തുറക്കുന്നതാണ്.

ജലസേചന വകുപ്പിന്റെ ദർഘാസുകൾ സംബന്ധിച്ച മറ്റു വ്യവസ്ഥകൾ മേൽ പ്രവൃത്തികൾക്കും ബാധകമാണ്.

ചാലക്കുടി 23-09-2020



പകർപ്പ് സമർപ്പിച്ച എഞ്ചിനീയർ മൈനർ ഇറിഗേഷൻ ഡിവിഷൻ, തൃശ്ശൂർ എക്സിക്യൂട്ടീവ് ഓഫീസിലെ (കേരള ഗവൺമെന്റ് വേണ്ടി) അസിസ്റ്റന്റ് എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ (കേരള ഗവൺമെന്റ് വേണ്ടി) Assistant Executive Engineer, Electrical Wing Irrigation Sub Division, Chalakudy-688 307

TENDER SCHEDULE

KERALA IRRIGATION DEPARTMENT (Electrical Wing)

Work Name : Rewinding and Repair works of Annamanada LIS 75 HP motor (Re-tender)

Tender No - TN 04 / 20-21

Serial No -

01

Tender due date - 30-09 - 2020

Period of Completion - 30 days

PAC - Rs **69350.00** /-

Tender Fee - 555.00 + 12% GST

EMD - Rs **1800/-**

Sl. No.	Item Description	Quantity	Units	Estimated Rate	Total Amount	Total Amount in words
1	Rewinding and repair works..					
1.01	od11244/2020_2021/1A : Leading the burnt motor power greater than 60 HP and up to 75 HP (already dismantled) from pump house to the nearest road side, loading into the vehicle, including charges for loading and unloading etc.	1.0	each	4312.50	4312.5	Rupees Four Thousand Three Hundred Twelve and Fifty Paise
1.02	od11245/2020_2021/1A : Seperate the motor in to stator and rotor , remove the whole burnt stator coil by cutting, pulling and cleaning the slots.Insulating the slots by using nomex paper, rewinding the complete stator slots by using same gauge new copper super enameled winding wire and taping coils.Providing new lead wires, sockets etc.Varnishing the coil using best quality insulation varnish and baking the coils, reassembling and test run the motor.(Less the cost of scarp copper wire)	58.0	kg	1046.98	60724.84	Rupees Sixty Thousand Seven Hundred Twenty Four and Eighty Four Paise

1.03	od11246/2020_2021/1A : Leading the rewind motor power greater than 60 HP and up to 75 HP from workshop to pump house, unloading and conveying to the base plate etc.	1.0	each	4312.50	4312.5	Rupees Four Thousand Three Hundred Twelve and Fifty Paise
Total in Figures					69349.84	Rupees Sixty Nine Thousand Three Hundred Forty Nine and Eighty Four Paise

I/We agree to undertake to execute the work (a) Estimate rate..... (b)

below estimate rate (c) % above estimate rate

TENDER SCHEDULE

KERALA IRRIGATION DEPARTMENT (Electrical Wing)

Work Name : Supply of 40 HP pump set for Eravakkad LIS in Nenmanikkara panchayath in Thrissur district- electrification works (Re-tender)

Tender No - TN 04/20-21

Serial No -

02

Tender due date - 30-09 - 2020

Period of Completion - 10 days

PAC - Rs 71205/-

Tender Fee - 555.00 + 12% GST

EMD - Rs 1800/-

Sl. No.	Item Description	Quantity	Units	Estimated Rate	Total Amount	Total Amount in words
1	Electrification					
1.01	od68680/2019_2020/IA : Erection , commissioning and testing of 40/50/60/75 HP starter with single phasing preventer if any , in pump house as directed by the departmental officers and giving necessary connections as required	1.0	each	1228.36		Rupees One Thousand Two Hundred Twenty Eight and Thirty Six Paise
1.02	od68690/2019_2020/IA : Supply and fixing single phasing preventer with adjustable UV and OV relay (SM 301 L&T or equivalent)and giving connections as required	2.0	no	991.53	1228.36	Rupees One Thousand Nine Hundred Eighty Three and Six Paise
					1983.06	

1.03	od68681/2019_2020/1A : Erection , commissioning and testing of 40 /50 HP motor pump set fitting on common base plate in correct alignment, on existing concrete foundation , as directed at site, giving necessary connections and take trail run	1.0	each	5438.32		5438.32	Rupees Five Thousand Four Hundred Thirty Eight and Thirty Two Paise
1.04	od68682/2019_2020/1A : Supply and fixing of following sizes of light gauge PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.40 mm	14.0	metre	110.18		1542.52	Rupees One Thousand Five Hundred Forty Two and Fifty Two Paise
1.05	od68685/2019_2020/1A : Supplying and clamping the following sizes of corrugated pvc flexible conduit 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.40 mm dia .	14.0	metre	84.55		1183.7	Rupees One Thousand One Hundred Eighty Three and Seventy Paise
1.06	od16167/2020_2021/1A : Supply and drawing 650/1100 V grade FRLS 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.25 sq mm 3 run	28.0	metre	677.84		18979.52	Rupees Eighteen Thousand Nine Hundred Seventy Nine and Fifty Two Paise

1.07	90.12.24.6 : Supply of superior quality copper tubular cable socket and making core termination of cables of the following sizes including crimping etc. as required.25 sqmm	42.0	each	34.55	1451.1	Rupees One Thousand Four Hundred Fifty One and Ten Paise
1.08	od17176/2020_2021/IA : Providing and fixing following capacity on load change over switch unit in sheet enclosure, making connections, etc. as required.100 amps	1.0	each	6356.62	6356.62	Rupees Six Thousand Three Hundred Fifty Six and Sixty Two Paise

1.09	<p>90.2.1.1 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No.14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular accessories).single control light point with 6A plate ceiling rose -short point.</p>	2.0	point	856.49	1712.98	Rupees One Thousand Seven Hundred Twelve and Ninety Eight Paise
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1.1	90.3.21.3 : Supply & installation of light fittings on 'C/U' shaped flat iron bracket Supply, conveyance, installation, testing and commissioning the light fittings of following types made from 0.5mm CRCA 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.1200mm 1*20W LED lamp with box type fixture.	2.0	each	1223.92	2447.84	Rupees Two Thousand Four Hundred Forty Seven and Eighty Four Paise
1.11	5.4 : Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2.0	set	5670.97	11341.94	Rupees Eleven Thousand Three Hundred Forty One and Ninety Four Paise
1.12	90.16.1.3 : Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.3.15 mm copper conductor (10 SWG)	30.0	metre	56.80	1704	Rupees One Thousand Seven Hundred Four Only

1.13	90.16.1.6 : Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.6.00 mm copper conductor (4 SW/G)	48.0	metre	165.66	7951.68	Rupees Seven Thousand Nine Hundred Fifty One and Sixty Eight Paise
1.14	od68686/2019_2020/IA : Supply and providing the following sizes of bolt and nut with washers on the existing MS box ,earth bus,earthing system etc. as required including drilling necessary holes as required - 25 x 3 mm brass bolt & nut	10.0	no	16.61		Rupees One Hundred Sixty Six and Ten Paise
1.15	90.16.2.1 : Supply and laying of the following sizes of B class GI pipe laid 0.6 m below ground level including excavating trench of suitable size and refilling etc, as required.15.mm dia. GI pipe (medium class)	16.0	metre	149.41	166.1	Rupees Two Thousand Three Hundred Ninety and Fifty Six Paise
1.16	90.16.4.2 : Supply and clamping the following sizes of strips on surface of wall / parapet/ existing cable tray using clamps fabricated from 20 x3 mm GI flat duty painted or heavy duty GI spacer saddles, spacing of clamps not exceeding 1 m , making good the damages, colour washing etc. as required (for vertical run).25 x 3 mm GI strip	0.8	metre	146.74	2390.56	Rupees One Hundred Seventeen and Thirty Nine Paise
1.17	90.16.5.5 : Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.4.75 mm (6 SW/G)	10.0	each	21.80	117.392	Rupees Two Hundred Eighteen Only
					218	

1.18	90.16.5.3 : Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.3.15 mm (10 SWG)	4.0	each	19.80		79.2	Rupees Seventy Nine and Twenty Paise
1.19	od68687/2019_2020/IA : Supply and fitting 32 mm brass heavy duty half turn ball valve.	2.0	each	742.39			Rupees One Thousand Four Hundred Eighty Four and Seventy Eight Paise
1.2	od68688/2019_2020/IA : Fabrication, Supply, conveyance and erecting 32 mm GI pipe with suitable specials such as coupler, union, bend, etc. and fixing on suction/delivery side of Vacuum pump set using shellack, rubber packing, bolt, nut and washer etc. complete.	8.0	metre	313.07		1484.78	Rupees Two Thousand Five Hundred Four and Fifty Six Paise
1.21	od68689/2019_2020/IA : Supply and providing 32 mm green flexible hose and giving connection etc.	8.0	metre	115.39		2504.56	Rupees Nine Hundred Twenty Three and Twelve Paise
				Total in Figures		923.12	Rupees Seventy One Thousand Two Hundred Five and Thirty Five Paise
					71205.352		

I/We agree to undertake to execute the work (a) Estimate rate..... (b)
below estimate rate (c) % above estimate rate

TENDER SCHEDULE
KERALA IRRIGATION DEPARTMENT (Electrical Wing)

Work Name : Rehabilitation of LIS-Renovation of rest room of Pazhayannur LIS- Electrification works (Re-tender)

Tender No - TN 04 / 20-21

Serial No **3**

Tender due date - 30 -09 - 2020

Period of Completion - 10 days

PAC - Rs 58887/-

Tender Fee - 555.00 + 12% GST

EMD - Rs 1500/-

Sl.No	Item Description	Quantity	Units	Estimated Rate	Total Amount	Total Amount in Words
1	Light wiring					

1.01	<p>90.2.1.1 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular</p>	6	point	856.49	5138.94	<p>Rupees Five Thousand One Hundred Thirty Eight and Ninety Four Paise</p>
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1.02	<p>90.2.1.3 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular</p>	2	point	806.79	1613.58	Rupees One Thousand Six Hundred Thirteen and Fifty Eight Paise
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1.03	<p>90.2.1.6 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular</p>	2	each	428.90	857.8	Rupees Eight Hundred Fifty Seven and Eighty Paise
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1.04	<p>90.2.1.4 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular</p>	2	point	1329.92	2659.84	<p>Rupees Two Thousand Six Hundred Fifty Nine and Eighty Four Paise</p>
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1.05	90.3.21.3 : Supply & installation of light fittings on 'C/U' shaped flat iron bracket Supply, conveyance, installation, testing and commissioning the light fittings of following types made from 0.5mm CRCA 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.	4	each	1223.92	4895.68	Rupees Four Thousand Eight Hundred Ninety Five and Sixty Eight Paise
1.06	od57986/2019_2020/1A : Supply and fixing angle / straight brass lined skirt type, bakelite batten holder with 200 mm polished plastic shade and 7 W LED bulb including giving connection etc as required	2	each	271.89	543.78	Rupees Five Hundred Forty Three and Seventy Eight Paise

1.07	90.3.18.2 : Supply, fabrication, conveyance and fixing the following sizes of B class GI pipe bent to shape / cut and welded to shape 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. 32 mm dia with HG company fabricated clamps	3	metre	421.39	1264.17	Rupees One Thousand Two Hundred Sixty Four and Seventeen Paise
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1.08	90.15.4.1 : Supply Conveyance, installation, testing and commissioning of 20W LED street light output greater than 105lumen/W 4000-6000 K with IP 66 protection LED Chip make Cree/Lumiled/Nichea with power factor greater than 0.95 at full load, internal surge protection up to 8 KV, and Aluminium pressure die-cast Powder coated housing, acrylic cover complete with THD Less than 10%, power factor greater than 0.98, RoHS compliant, duly wired up for use on 230 V AC supply. Driver compartment should be separately accessible for maintenance (LM 79&80 certifies from NABL accredited Third party lab to be produced mentioning chip manufacturer)	1	each	2276.17	2276.17	Rupees Two Thousand Two Hundred Seventy Six and Seventeen Paise
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1.09	90.15.4.3 : Supply Conveyance, installation, testing and commissioning of 70W LED street light output greater than 105lumen/W 4000-6000 K with IP 66 protection LED Chip make Cree/Lumiled/Nichea with power factor greater than 0.95 at full load, internal surge protection up to 8 KV, and Aluminium pressure die-cast Powder coated housing, acrylic cover complete with THD Less than 10%, power factor greater than 0.98, RoHS compliant, duly wired up for use on 230 V AC supply. Driver compartment should be separately accessible for maintenance (LM 79&80 certificates from NABL accredited Third party lab to be produced mentioning chip manufacturer)	1	each	7409.17	7409.17	Rupees Seven Thousand Four Hundred Nine and Seventeen Paise
1.1	90.4.1 : Supply and installation of suitable size MS rod type fan clamp in the RCC slab as per IS 732 as required.	2	each	149.11	298.22	Rupees Two Hundred Ninety Eight and Twenty Two Paise

1.11	90.4.5.2 : Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes 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. 1200mm sweep - 5star rated ceiling fan complete with 300mm down rod , canopies, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C	2	each	1857.50	3715	Rupees Three Thousand Seven Hundred Fifteen Only
1.12	1.32 : Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	1	each	532.10	532.1	Rupees Five Hundred Thirty Two and Ten Paise

1.13	1.17.11 : Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.2 x 2.5 sq. Mm	20	metre	69.46	1389.2	Rupees One Thousand Three Hundred Eighty Nine and Twenty Paise
1.14	1.17.20 : Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.2 x 4 sq. Mm	20	metre	103.54	2070.8	Rupees Two Thousand Seventy and Eighty Paise
1.15	90.6.10.1 : Supply and fixing of following sizes of light gauge PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.20mm	30	metre	69.49	2084.7	Rupees Two Thousand Eighty Four and Seventy Paise

1.16	2.3.2 : Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator. 8 way, Double door	1	each	1390.55	1390.55	Rupees One Thousand Three Hundred Ninety and Fifty Five Paise
1.17	2.10.1 : Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. single pole	4	each	226.73	906.92	Rupees Nine Hundred Six and Ninety Two Paise
1.18	2.12.1 : Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps.	1	each	290.95	290.95	Rupees Two Hundred Ninety and Ninety Five Paise

1.19	2.14.2 : Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required..40 amps.	1	each	2252.92	2252.92	Rupees Two Thousand Two Hundred Fifty Two and Ninety Two Paise
1.2	5.4 : Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1	set	5670.97	5670.97	Rupees Five Thousand Six Hundred Seventy and Ninety Seven Paise
1.21	90.16.1.1 : Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.2.0 mm copper conductor (14 SWG)	20	metre	24.86	497.2	Rupees Four Hundred Ninety Seven and Twenty Paise
1.22	90.16.5.1 : Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.2.00 mm (14 SWG)	2	each	16.80	33.6	Rupees Thirty Three and Sixty Paise

1.23	90.16.1.3 : Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required	30	metre		56.80	1704	Rupees One Thousand Seven Hundred Four Only
1.24	90.16.5.3 : Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required:3.15 mm copper conductor (10 SWG)	6	each		19.80	118.8	Rupees One Hundred Eighteen and Eighty Paise
1.25	od68756/2019_2020/IA : Supply and providing the following sizes of bolt and nut with washers on the existing MS box , earth bus, earthing system etc. as required including drilling necessary holes as required - 12 x 3mm	3	each		12.29	36.87	Rupees Thirty Six and Eighty Seven Paise
1.26	90.16.2.1 : Supply and laying of the following sizes of B class GI pipe laid 0.6 m below ground level including excavating trench of suitable size and refilling etc, as required:15.mm dia. GI pipe (medium class)	10	metre		149.41	1494.1	Rupees One Thousand Four Hundred Ninety Four and Ten Paise
1.27	od57941/2019_2020/IA : Supply , Conveyance and fitting 63A, HRC Fuse Base with suitable HRC Fuse link in the existing Meter box.	1	each		376.65	376.65	Rupees Three Hundred Seventy Six and Sixty Five Paise

1.28	od57983/2019_2020/IA : Supply , Conveyance and fitting 32 A, 2 Way neutral links in the existing Meter box.	1	each	224.32	224.32	Rupees Two Hundred Twenty Four and Thirty Two Paise
1.29	od57985/2019_2020/IA : Providing and fixing following capacity TP&N disconnecter fuse unit in sheet enclosure switch with ISI marked HRC fuses , making connections, etc. as required.32 Amp TP & N	1	each	4216.56	4216.56	Rupees Four Thousand Two Hundred Sixteen and Fifty Six Paise
1.3	od57943/2019_2020/IA : Supply and installation of dust and vermin proof wall mounting , sintex make meter box of size 570X280X330 mm GSMB 5728 (IP65) or equivalent 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 IP65 with neutral CT as required including fixing it on transformer plinth making good the damages etc. as required.	1	each	2923.40	2923.4	Rupees Two Thousand Nine Hundred Twenty Three and Forty Paise
Total in Figures				58886.96		Rupees Fifty Eight Thousand Eight Hundred Eighty Six and Ninety Six Paise

I/We agree to undertake to execute the work (a) Estimate rate..... (b)
below estimate rate (c) % above estimate rate

TENDER SCHEDULE
KERALA IRRIGATION DEPARTMENT (Electrical Wing)

Work Name : Flood relief works :- Urgent Silt removal and rectification works of breached portion in canals of Pathazhakundu Dam-Electrical works (Re-tender)

Tender No - TN 04 / 20-21

Serial No **04**

Tender due date - 30-09 - 2020

Period of Completion - 15 days

PAC - Rs 75481/-

Tender Fee - 555.00 + 12% GST

EMID - Rs 1900/-

Sl.No	Item Description	Quantity	Units	Estimated Rate	Total Amount	Total Amount in Words
1	Light wiring					

1.01	<p>90.2.1.1 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular accessories). Single Control light point with 6A, plate ceiling rose - Short poin</p>	9	point	856.49	7708.41	Rupees Seven Thousand Seven Hundred Eight and Forty One Paise
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1.02	<p>90.2.1.3 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular accessories). Single control light point without ceiling rose - Short point</p>	5	point	806.79	4033.95	Rupees Four Thousand Thirty Three and Ninety Five Paise
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1.03	<p>90.2.1.6 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular accessories)omined plug point with 6 A, 5 pin plug socket controlled by 6 A, switch in the same switch board as that of light points.</p>	3	each	428.90	1286.7	Rupees One Thousand Two Hundred Eighty Six and Seventy Paise
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1.04	<p>90.2.1.4 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular accessories). Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator. - Short point.</p>	3	point	1329.92	3989.76	<p>Rupees Three Thousand Nine Hundred Eighty Nine and Seventy Six Paise</p>
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1.05	90.2.1.5 : Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials 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 FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No. 14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type 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. (RoHS compliant modular accessories)Call bell point with 6 A bell push at one end and 6 A, 3 plate ceiling rose at other end - Short point.	1	point	895.81	895.81	Rupees Eight Hundred Ninety Five and Eighty One Paise
1.06	1.38 : Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	1	each	79.95	79.95	Rupees Seventy Nine and Ninety Five Paise

1.07	90.3.21.3 : Supply & installation of light fittings on 'C/U' shaped flat iron bracket Supply, conveyance, installation, testing and commissioning the light fittings of following types made from 0.5mm CRCA 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. 1200 mm 1X20W LED Lamp with box type fixture	6	each	1223.92	7343.52	Rupees Seven Thousand Three Hundred Forty Three and Fifty Two Paise
1.08	od57998/2019_2020/IA : Supply and fixing angle / straight brass lined skirt type, bakelite batten holder with 200 mm polished plastic shade and 7 W LED bulb including giving connection etc as required	5	each	271.89	1359.45	Rupees One Thousand Three Hundred Fifty Nine and Forty Five Paise

1.09	90.3.18.2 : Supply, fabrication, conveyance and fixing the following sizes of B class GI pipe bent to shape / cut and welded to shape 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.2 mm dia with HG company fabricated clamps	3	metre	421.39	1264.17	Rupees One Thousand Two Hundred Sixty Four and Seventeen Paise
1.1	90.15.4.2 : Supply Conveyance, installation, testing and commissioning of 36/40W LED street light output greater than 105lumen/W 4000-6000 K with IP 66 protection LED Chip make Cree/Lumiled/Nichea with power factor greater than 0.95 at full load, internal surge protection up to 8 KV, and Aluminium pressure die-cast Powder coated housing, acrylic cover complete with THD less than 10%, power factor greater than 0.98, RoHS compliant, duly wired up for use on 230 V AC supply. Driver compartment should be separately accessible for maintenance (LM 79&80 certificates from NABL accredited Third party lab to be produced mentioning chip manufacturer)	2	each	4519.17	9038.34	Rupees Nine Thousand Thirty Eight and Thirty Four Paise
1.11	90.4.1 : Supply and installation of suitable size MS rod type fan clamp in the RCC slab as per IS 732 as required.	3	each	149.11	447.33	Rupees Four Hundred Forty Seven and Thirty Three Paise

1.12	90.4.5.2 : Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes 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. 1200mm sweep -5star rated ceiling fan complete with 300mm down rod , canopies, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C	3	each	1857.50	5572.5	Rupees Five Thousand Five Hundred Seventy Two and Fifty Paise
1.13	90.4.8 : Charges for cutting holes suitable for accommodating exhaust fans up to 305mm sweep including plastering colour washing etc. as required.	1	each	382.79	382.79	Rupees Three Hundred Eighty Two and Seventy Nine Paise

1.14	od57999/2019_2020/IA : Supply, conveyance, installation, testing and commissioning of the following sizes of exhaust fans 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. - 200mm sweep Light Duty Exhaust fan in plastic body with self opening lowers working on 230V single phase A/C.	1	each	1625.90	1625.9	Rupees One Thousand Six Hundred Twenty Five and Ninety Paise
1.15	90.6.10.1 : Supply and fixing of following sizes of light gauge PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.200mm	45	metre	69.49	3127.05	Rupees Three Thousand One Hundred Twenty Seven and Five Paise
1.16	90.10.3.15 : Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant)32A DP switch with indicator	1	each	553.97	553.97	Rupees Five Hundred Fifty Three and Ninety Seven Paise

1.17	1.32 : Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	1	each	532.10	532.1	Rupees Five Hundred Thirty Two and Ten Paise
1.18	1.17.11 : Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.2 x 2.5 sq. Mm	36	metre	69.46	2500.56	Rupees Two Thousand Five Hundred and Fifty Six Paise
1.19	1.17.20 : Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.2 x 4 sq. Mm	12	metre	103.54	1242.48	Rupees One Thousand Two Hundred Forty Two and Forty Eight Paise
1.2	90.16.1.1 : Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.2.00 mm copper conductor (14 SWG)	20	metre	24.86	497.2	Rupees Four Hundred Ninety Seven and Twenty Paise
1.21	90.16.1.2 : Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.2.65 mm copper conductor (12 SWG)	25	metre	39.48	987	Rupees Nine Hundred Eighty Seven Only
1.22	90.16.5.1 : Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.2.00 mm (14 SWG)	2	each	16.80	33.6	Rupees Thirty Three and Sixty Paise

1.23	90.16.5.2 : Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.2.65 mm (12 SWG)	2	each	17.80	35.6	Rupees Thirty Five and Sixty Paise
1.24	od68721/2019_2020/IA : Supply and providing the following sizes of bolt and nut with washers on the existing MS box , earth bus,earthing system etc. as required including drilling necessary holes as required - 12 x 3mm	8	each	12.29	98.32	Rupees Ninety Eight and Thirty Two Paise
1.25	2.3.3 : Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator2 way, Double door	1	each	1508.50	1508.5	Rupees One Thousand Five Hundred Eight and Fifty Paise
1.26	2.10.1 : Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole	6	each	226.73	1360.38	Rupees One Thousand Three Hundred Sixty and Thirty Eight Paise
1.27	2.11 : Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	2	each	9.17	18.34	Rupees Eighteen and Thirty Four Paise

1.28	2.12.1 : Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	1	each	290.95	290.95	Rupees Two Hundred Ninety and Ninety Five Paise
1.29	2.14.2 : Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	1	each	2252.92	2252.92	Rupees Two Thousand Two Hundred Fifty Two and Ninety Two Paise
1.3	5.4 : Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1	set	5670.97	5670.97	Rupees Five Thousand Six Hundred Seventy and Ninety Seven Paise
1.31	90.16.1.3 : Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.3.15 mm copper conductor (10 SWG)	20	metre	56.80	1136	Rupees One Thousand One Hundred Thirty Six Only
1.32	90.16.5.3 : Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.3.15 mm (10 SWG)	6	each	19.80	118.8	Rupees One Hundred Eighteen and Eighty Paise

1.33	90.16.2.1 : Supply and laying of the following sizes of B class GI pipe laid 0.6 m below ground level including excavating trench of suitable size and refilling etc, as required. 15. mm dia. G.I pipe (medium class)	5	metre	149.41	747.05	Rupees Seven Hundred Forty Seven and Five Paise
1.34	od58003/2019_2020/IA : Supply , Conveyance and fitting 63A, HRC Fuse Base with suitable HRC Fuse link in the existing Meter box.	1	each	376.65	376.65	Rupees Three Hundred Seventy Six and Sixty Five Paise
1.35	od58004/2019_2020/IA : Supply , Conveyance and fitting 32 A, 2 Way neutral links in the existing Meter box.	1	each	224.32	224.32	Rupees Two Hundred Twenty Four and Thirty Two Paise
1.36	od58005/2019_2020/IA : Providing and fixing following capacity TP&N disconnecter fuse unit in sheet enclosure switch with ISI marked HRC fuses , making connections, etc. as required.32 Amp TP & N	1	each	4216.56	4216.56	Rupees Four Thousand Two Hundred Sixteen and Fifty Six Paise
1.37	od58006/2019_2020/IA : Supply and installation of dust and vermin proof wall mounting , sintex make meter box of size 570X280X330 mm GSMB 5728 (IP65) or equivalentsuitable 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 IP65 with neutral CT as required including fixing it on transformer plinth making good the damages etc. as required.	1	each	2923.40	2923.4	Rupees Two Thousand Nine Hundred Twenty Three and Forty Paise

Total in Figures	75481.3	Rupees Seventy Five Thousand Four Hundred Eighty One and Thirty Paise (b)
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I/We agree to undertake to execute the work (a) Estimate rate.....
below estimate rate (c) % above estimate rate