

पनवेल महानगरपालिका जाहीर निविदा दरपत्रक

पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'क' प्रभाग क्र.१४ मधील भुखंड क्र.०४, सेक्टर -१६, नवीन पनवेल (प) या भूखंडावर पनवेल महानगरपालिकेचे "स्वराज्य" मुख्यालय इमारतीचे अंतर्गत सजावट व इतर अनुषंगीक कामे करणे. या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'क' प्रभाग क्र.१४ मधील भुखंड क्र.०४, सेक्टर -१६, नवीन पनवेल (प) या भूखंडावर पनवेल महानगरपालिकेचे "स्वराज्य" मुख्यालय इमारतीचे अंतर्गत सजावट व इतर अनुषंगीक कामे करणे.	०१/०३/२०२४ ते ०४/०३/२०२४

SITE1-SPOUTFOUNTAIN ATTHETERRACEFLOORWATERBO

S.No	Particulars	Unit	Qty
1	FILTRATION		
	SITC of 650mm dia sand filter made by fiberglasswith filament resin 1.5"/50mm with clear ProTechnologyallowingfiltrationupto5micronwithneccessaryaccessoriessuchaspresuregauge, manualairvent,manualwaterdrain,etc.Maximumwor king pressure 3.5c ,Flow rate = 15,600 LPH withsiliciasandmedia.	Nos	1
	MAKE:-EMAUX		
2	RE-CIRCULATIONPUMP		

	SITC of high pressure pump with stainer for debris and sump pump & shaft. suction – 63mm x 63mm. Horsepower Power: 1HP Phase: 1 phase 230-240v Flow rate = 16400L/hr @ 6m water head	Nos	2
	Make:-EMAUX		
3	POOL BASIN ITEM & NOZZLES		
(i)	Supply & Installation of 2ft wide mouth spout in SS 304.	Nos.	6
	Make – Moonbeam/Aquarius		
(ii)	Water inlet, white in abs	Nos	10
(iii)	Vacuum nozzle, white in abs	Nos	1
(iv)	Main drain 300mm x 300mm, white in abs	Nos	1
	Make:-EMAUX		
4	PLUMBING WORK		
	Fountain header in PVC pipes & fittings Providing and fixing fountain ring header, made of 63/75/90 mm for nozzles, inlet, drain, vacuum points in water body. Providing and fixing and laying of UPVC 10 kg/cm ² pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps, hangers anchor, fastener, structure steel support as required with flow indicator, puddle flange from water body to pump room. Providing and fixing and laying of UPVC 10 kg/cm ² pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps, hangers anchor, fastener, structure steel support as required with flow indicator, puddle flange from water body to pump room. Size 90mm, 75mm, 63mm, 50mm as	Job	1

	<p>required. Make:Supreme/Prince/Astral. Providing and fixing of Gun metal non return valve of approved quality (screwed end) Size 65 mm, 80mm, 100 mm as required. Make :- ZOLOTO/ SANT/Etc.</p> <p>Providing and fixing of butterfly valve (Single plate type) Make :- ZOLOTO. Size – 20 mm, 40 mm, 50mm, 63mm, 80mm, 100mm as required.</p> <p>Providing and fixing of Brass control Ball valves. valve (Single plate type) 25 mm – as required Make :-ZOLOTO/SANT/Etc</p>		
5	Electrical Work in the Water Body		
	<p>Providing & fixing submersible insulated cable with earthing wire complete including necessary excavation & refilling wherever required (Make: finolex/polycab with conduit)</p>	Job	1
7	CONTROL PANEL		
	<p>Design , fabrication , assembling, wiring, supply, installation, testing, and commissioning Electrical panel for Motor make-By Aquarius</p> <p>Electrical panel for . DOL Starter for 1Hp Pump 2 Nos M.C.B.'s 63amp ammeter, Voltmeter, single phasing preventer, overload protection & indicating light, etc.</p> <p>Electrical panel of cubical type wall/floor mounted, The interconnection shall be carried out with suitable size cables, for recirculation pump in coming MCB', starters, Ammeter, Voltmeter, Single phase preventer & MCB for lights.</p> <ul style="list-style-type: none"> • Set of incoming 3 Pole MCB 63 Amp L&T 1 nos. • MCB 16amp 2nos • MCB 10amp for light 2nos • 3HP Heavy Duty 2Nos MNX18 • Digital Ammeter, voltmeter for current rating of pump make - AE (Automatic electric) • Phase indicating lamps. make L&TESBEE • Push button on/off switches for pump. make L&TESBEE 	UNIT	1

	<ul style="list-style-type: none"> Overload protection <p>Type of Body-</p> <p>Steel sheet with paint powder Cortaid finish enclosure of with hanged front door Floor mounted with provision for incoming & outgoing cable entry . electrical panel protected against dust & jets of water per rating weather proof body IP 55 Make- Moonbeam/Aquarius</p>		
8	UNDERWATER LIGHT		
(i)	Installation of SS316 body Led underwater light, IP68		
a	<p>24v, 18 watt, warm white fully ss316 (for Spout)</p> <p>Luminaries comprise of nos. 6 LED 3 watt X 18 W waterproof fixed lights Make Aquarius Overall height of light body shall be dia 125mm. Luminaries shall have <u>pressure die cast</u> stainless steel 316 Bodies with finish shall over coating. All fasteners shall be of stainless steel. Mounting bracket shall be stainless steel (Choice of color from warm White) shall be mounted in between sandwich of one piece of Crystal Clear toughened glass of 90 mm dia each sealed by a high quality elastomeric gasket. prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than <u>.5sq.mm</u> (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL lab All 'in pool' connections shall be fully waterproof. LED Life- 48000hr Lumen- 65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68 Make- Moonbeam/Aquarius</p>	Nos	6
B	12v , 9 watt, warm white fully ss316 (still water highlight)	Nos.	8

	<p>Luminaries comprise of nos. 3LED 3watt X 9 Wwaterproof fixed lights Make Aquarius Overallheightoflightbodyshall beanddia.110mm.</p> <p>Luminaries shallhave <i>pressure die</i> caststainlesssteel 316 Bodies with finishall over coating.Allfasteners shall be of stainless steel. Mountingbracket shall be stainless steel (Choice of color fromwarmWhite)shallbemountedin betweensandwich of one pieces of Crystal Clear toughenedglass of 65mm dia each sealed by a high qualityelastomeric gasket.prevent ingress of water thewaterproof luminaries shall have a Brasscable glandthat compensates for variations in cable diameterboth initially and ongoing due to factors such astemperature variation and ageing. Wiring shall be4core double insulated PVC flexible with variation andageing. Wiring shall be4 core double insulated PVCflexiblewithcopperconductorsnotlessthan .5sq.mm (Maximum 6 mtrs. length from cascadingpool to cascading electric panel). Waterproofluminaries shall be waterproof when fully immersedin water per rating IP68 and shall have been Testedby NABL lab All 'in pool' connections shall be fullywaterproof. LEDLife-48000hr Lumen- 65lumenin1wsafesideforledlifeBody- StainlessSteel316IP68 Modal-Aquarius/124/UW/- IP68Make-Moonbeam/Aquarius</p>		
(ii)	PowerSupply		
a	Installationof12v,7Apowersupply	Nos	1
B	Installationof24v,10Apowersupply	Nos	1
	(Make:-Moonbeam/Aquarius)		
9	MAINTENANCEEQUIPMENT&CHEMICALS		
(i)	Maintenanceitems	Set	1
(ii)	Sodiumhypochlorite	kg	50
(iii)	Alum	kg	50
(IV)	SITCOFDosingpump0-5ltr/hrwithchlorine/alum	Nos	1

	storagetank.		
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SITE2-BUBBLERFOUNTAINATTHETERRACEFLOORWATERBODY

S.No	Particulars	Unit	Qty
1	FILTRATION		
	SITC of 650mm dia sand filter made by fiberglass with filament resin 1.5"/50mm with clear ProTechnology allowing filtration upto 5 micron with necessary accessories such as pressure gauge, manual air vent, manual water drain, etc. Maximum working pressure 3.5c, Flow rate = 15,600 LPH with silicasand media.	Nos	1
	MAKE:-EMAUX		
2	RE-CIRCULATION PUMP		
	SITC of high pressure pump with stainer for debris and ss impeller & shaft. sux del-63mm x63mm. Horsepower: 1HP Phase: 1 phase 220-240v Flow rate = 16400L/hr @ 6m water head	Nos	2
	Make:-EMAUX		
3	POOL BASIN ITEM & NOZZLES		
(i)	Supply & Installation of 32mm dia inlet Stainless steel 316 Bubblers & 316 nozzles.	Nos.	6

	Make–Moonbeam/Aquarius		
(ii)	Waterinlet,whiteinabs	Nos	10
(iii)	Vaccumnozzle,whiteinabs	Nos	1
(iv)	Mainrain300mmx300mm,whiteinabs	Nos	1
	Make:-EMAUX		
5	Plumbingwork		
	<p>FountainheaderinPVCpipes & fittings</p> <p>Providing and fixing fountain ring header ,made of63/75/90 mm for nozzles, inlet, drain, vacuum points in water body. Providing and fixing and laying of UPVC 10 kg /cm² pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps ,hangers anchor, fastener ,structure steel support as required with flow indicator, puddle flange from water body to pump room. Providing and fixing and laying of UPVC 10kg/cm² pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps ,hangers anchor, fastener ,structure steel support as required with flow indicator, puddle flange from water body to pump room Size 90 mm,75 mm,63 mm,50mm as required. Make:Supreme/Prince/Astral. Providing and fixing of Gun metal non return valve of approved quality (screwed end) Size 65 mm, 80mm, 100 mm as required. Make :- ZOLOTO/ SANT/Etc. Providing and fixing of butterfly valve (Single plate type) Make :- ZOLOTO. Size – 20 mm, 40 mm,50mm,63mm,80mm,100mm as required. Providing and fixing of Brass control Ball valves. valve (Single plate type) 25 mm – as required Make :-ZOLOTO/SANT/Etc</p>		
6	Electricalworkinwaterbody		
	Cable: Finolex make-4 core 1mm PVC double insulated flat copper conduction flexible (for light etc.): Polycab/KEI/		

	Finolexmake4coredoubleinsulatedflexiblecopperconductor		
	(Make:finolex/polycabwithconduit)		
8	CONTROLPANEL		
	<p>Design ,fabrication ,assembling, wiring, supply,installation, testing, and commissioning Electricalpanel forMotormake-ByAquarius</p> <p>Electrical panel for . DOL Starter for 1Hp Pump2NosM.C.B.'s 63amp ammeter, Voltmeter, single phasingprenter,overloadprotection&indicatinglight,etc.</p> <p>Electrical panel of cubical type wall/floor mounted, Theinterconnection shall be carried out with suitable sizedcables, for recirculation pump in coming MCB', starters,Ammeter, Voltmeter, Single phase preventer & MCB forlights.</p> <ul style="list-style-type: none"> • Setofincoming3PoleMCB63AmpL&T 1nos. • MCB16amp2nos • MCB10ampforlight2nos • 3HPHeavyDuty2Nos MNX18 • DigitalAmmeter, voltmeterforcurrentratingofpumpmake-AE(Automaticelectric) • Phaseindicatinglamps.makeL&TESBEE • Pushbuttonon/offswitchesforpump. makeL&TESBEE • Overloadprotection <p>TypeofBody-</p> <p>Steel sheet with paintpowder Cortaid finishenclosure of with hanged front door Floormountedwithprovisionforincoming&outgoingcablingentry .electricalpanelprotectedagainstdust& jetsofwater per ratingweather proof body IP 55Make-Monnbeam/Aquarius</p>	UNIT	1
9	UNDERWATERLIGHT		
(i)	InstallationofSS316bodyLedunderwaterlight,IP68		
a	24v,36 watt, warm whitefully ss316(for BubblerHighlight)Luminariescompriseofnos.12LED3 watt X36WwaterproofixedlightsMakeAquarius	Nos	6

	<p>Overall height of light body shall be 49mm ID and dia 190mm. Luminaries shall have pressure die cast stainless steel 316 Bodies with finish shall over coating. All fasteners shall be of stainless steel. Mounting bracket shall be stainless steel (Choice of color from warm White) shall be mounted in between sandwich of one pieces of Crystal Clear toughened glass of 140mm dia each sealed by a high quality elastomeric gasket. prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than <u>.5sq.mm</u> (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL lab All 'in pool' connections shall be fully waterproof. LED Life-48000hr LED Life-48000hr Lumen-65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68 Make- Moonbeam/Aquarius</p>		
b	<p>12v , 9 watt, warm white fully ss316 (still water highlight)</p> <p>Luminaries comprise of nos. 3 LED 3watt X 9 W waterproof fixed lights Make Aquarius Overall height of light body shall be and dia. 110mm.</p> <p>Luminaries shall have pressure die cast stainless steel 316 Bodies with finish shall over coating. All fasteners shall be of stainless steel. Mounting bracket shall be stainless steel (Choice of color from warm White) shall be mounted in between sandwich of one pieces of Crystal Clear toughened glass of 65mm dia each sealed by a high quality elastomeric gasket. prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and age</p>	Nos.	8

	ng.Wiringshallbe4coredoubleinsulatedPVC		
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	flexible with copper conductors not less than .5sq.mm (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL lab All 'in pool' connections shall be fully waterproof. LED Life-48000hr Lumen- 65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68 Make-Moonbeam/Aquarius		
(ii)	Power Supply Transformer		
a	Installation of 12v, 7A power supply	Nos	1
B	Installation of 24v, 10A power supply	Nos	1
	Make-Moonbeam/Aquarius		
10	MAINTENANCE EQUIPMENT & CHEMICALS		
(i)	Maintenance items	Set	1
(ii)	Sodium hypochlorite	kg	50
(iii)	Alum	kg	50
(IV)	SITC OF Dosing pump 0-5 ltr /hr with chlorine/alum storage tank.	Nos	1

SITE 3-BUBBLER FOUNTAIN AT THE GROUND FLOOR NEAR VIP GLASS LIFT

S.No	Particulars	Unit	Qty
1	FILTRATION		
	SITC of 800mm dia sand filter made by fiberglass with filament resin 2"/63mm with clear Pro Technology allowing filtration upto 5 micron with	No.	1

	necessary accessories such as pressure gauge, manual air vent, manual water drain, etc. Maximum working pressure 3.5c, Flow rate = 24,600 LPH with silica sand media.		
	MAKE:-EMAUX		
2	RE-CIRCULATION PUMP		
	SITC of high pressure pump with strainer for debris and sump peller & SS shaft. sucx del – 63mm x 63mm. Horsepower: 3HP Phase: 3 phase 380-240v Flow rate = 19000 L/hr @ 16m water head (2B UUBLER NOZZLE / 2 WATER FEATURE)	Nos.	4
	Make:-EMAUX		
3	POOL BASIN ITEM & NOZZLES		
(i)	Supply & Installation of 32mm dia inlet Stainless Steel 316 Bubble nozzles. Body SS-316	Nos.	10
	Make – Moonbeam / Aquarius		
(ii)	Water inlet, white in abs	Nos.	15
(iii)	Vacuum nozzle, white in abs	No.	1
(iv)	Main drain 300mm x 300mm, white in abs	No.	1
	Make:-EMAUX		
4	PLUMBING WORK		
	Fountain header in PVC pipes & fittings Providing and fixing fountain ring header, made of 63/75/90 mm for nozzles, inlet, drain, vacuum points in water body. Providing and fixing and laying of UPVC 10 kg /cm ² pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps, hangers anchor, fastener, structure steel	Job	1

	<p>support as required with flow indicator, puddle flange from water body top pump room.</p> <p>Providing and fixing and laying of UPVC 10 kg /cm² pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps, hangers anchor, fastener, structure steel support as required with flow indicator, puddle flange from water body top pump room Size 90 mm, 75 mm, 63 mm, 50 mm as required. Make: Supreme/Prince/Astral.</p> <p>Providing and fixing of Gun metal non return valve of approved quality (screwed end) Size 65 mm, 80 mm, 100 mm as required. Make :- ZOLOTO/ SANT/Etc.</p> <p>Providing and fixing of butterfly valve (Single plate type) Make :- ZOLOTO. Size – 20 mm, 40 mm, 50 mm, 63 mm, 80 mm, 100 mm as required.</p> <p>Providing and fixing of Brass control Ball valves. valve (Single plate type) 25 mm – as required Make :- ZOLOTO/SANT/Etc</p>		
	<p>Cable: Finolex make-4 core 1mm PVC double insulated flat copper conduction flexible (for light etc.): Polycab / KEI/Finolex make 4 core double insulated flexible copper conductor.</p>	Job	1
7	CABLING		
	<p>Providing & fixing submersible insulated cable with earthing wire complete including necessary cable tray excavation & refilling wherever required</p>		
	(Make: finolex/polycab with conduit)		
a	2 core 2.5 sqmm (from panel to lights)	Meter	100
b	3 core 4 sqmm (from panel to pump)	Meter	100
c	3 core 6 sqmm (from panel to pump)	Meter	100
8	CONTROL PANEL		

	<p>Design ,fabrication ,assembling, wiring, supply,installation, testing, and commissioning Electricalpanel forMotormake-ByAquarius</p> <p>Electrical panel for . DOL Starter for 3Hp Pump4NosM.C.B.'s 63amp ammeter, Voltmeter, single phasingpreventer,overloadprotection&indicatinglight,etc.</p> <p>Electrical panel of cubical type wall/floor mounted, Theinterconnection shall be carried out with suitable sizecables, for recirculation pump in coming MCB', starters,Ammeter, Voltmeter, Single phase preventer & MCB forlights.</p> <ul style="list-style-type: none"> • Setofincoming3PoleMCB63AmpL&T1nos. • MCB25amp4nos • MCB16ampforlight3nos • 3HPHeavyDuty4Nos MNX25 • DigitalAmmeter, voltmeterforcurrentratingofpumpmake-AE(Automaticelectric) • Phaseindicatinglamps.makeL&TESBEE • Pushbuttonon/offswitchesforpump.make L&TESBEE • Singlephasingprotection • Overloadprotection <p>TypeofBody-</p> <p>Steel sheet with paintpowder Cortaid finishenclosure of with hanged front door Floormountedwithprovisionforincoming&outgoingcabling entry .electricalpanelprotectedagainstdust&jetsofwaterperr atingweatherproofbodyIP55 Make–Moonbeam/Aquarius</p>	No.	1
9	UNDERWATERLIGHT		
(i)	InstallationofSS316bodyLedunderwaterlight,IP68		
a	<p>12v , 9 watt, warm white fully SS316 (Still WaterHeight)</p> <p>Luminaries comprise of nos. 3LED 3watt X 9 Wwaterproof fixed lights Make Aquarius Overallheightoflightbodyshall beanddia.110mm. Luminaries shallhave pressure die caststainlessteel 316 Bodies with finishall over coating.Allfastenersshallbeofstainlessteel.Mounting bracketshallbestainlessteel(Choiceofcolorfrom</p>	Nos.	16

	<p>warmWhite)shallbemountedin between sandwich of one pieces of Crystal Clear toughened glass of 65mm dia each sealed by a high quality elastomeric gasket.prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than <u>.5sq.mm</u> (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL lab All 'in pool' connections shall be fully waterproof. LED Life-48000hr Lumen-65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68 Make- Moonbeam/Aquarius</p>		
b	<p>24v,36 watt, warm white Luminaries comprise of nos. 12 LED 3 watt X 36 W waterproof fixed lights Make Aquarius Overall height of light body shall be 49 mm ID and dia 190mm. Luminaries shall have <u>pressure die cast</u> stainless steel 316 Bodies with finish shall overcoating. All fasteners shall be of stainless steel. Mounting bracket shall be stainless steel (Choice of color from warm White) shall be mounted in between sandwich of one pieces of Crystal Clear toughened glass of 140mm dia each sealed by a high quality elastomeric gasket.prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than <u>.5sq.mm</u> (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL lab All 'in pool' connections shall be fully waterproof. LED Life-48000hr Lumen-65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68</p>	Nos.	10

	Make–Moonbeam/Aquarius		
c	<p>12v,27watt,warmwhite Luminariescompriseofnos.9LED3wattX27Wwaterpr oof fixed lightsMake AquariusOverallheightoflightbodyshall beanddia150mm. Luminaries shallhave pressure die caststainlesssteel 316 Bodies with finishall over coating.Allfasteners shall be of stainless steel. Mountingbracket shall be stainless steel (Choice of color fromwarmWhite)shallbemountedin betweensandwich of one pieces of Crystal Clear toughenedglass of 125mm dia each sealed by a high qualityelastomeric gasket.prevent ingress of water thewaterproof luminaries shall have a Brasscable glandthat compensates for variations in cable diameterboth initially and ongoing due to factors such astemperature variation and ageing. Wiring shall be4core double insulated PVC flexible with variation andageing. Wiring shall be4 core double insulated PVCflexiblewithcopperconductorsnotlessthan .5sq.mm (Maximum 6 mtrs. length from cascadingpool to cascading electric panel). Waterproofluminaries shall be waterproof when fully immersedin water per rating IP68 and shall have been Testedby NABL lab All 'in pool' connections shall be fullywaterproof. LEDLife-48000hr Lumen- 65lumenin1wsafesideforledlifeBody- StainlessSteel 316IP68 Make-Moonbeam/Aquarius</p>	Nos.	22
(ii)	PowerSupplyTransformer		
a	Installationof12v,10Apowersupply	Nos.	1
B	Installationof24v,18Apowersupply	Nos.	3
	Make–Moonbeam/Aquarius		
10	MAINTENANCEEQUIPMENT&CHEMICALS		
(i)	Maintenanceitems	Set	1
(ii)	Sodiumhypochlorite	kg	50

(iii)	Alum	kg	50
(IV)	SITC OF Dosing pump 0-5 Liter /hr with chlorine/alum storage tank.	Nos.	1

SITE 4-SHEET FALLS WITH BUBBLER FOUNTAINS AT THE GROUND FLOOR AND FIRST FLOOR ZIGZAG TYPE WATER BODY

S.No	Particulars	Unit	Qty
1	FILTRATION		
	SITC of 1200mm dia sand filter made by fiberglass with filament resin 2"/63 mm with clear ProTechnology allowing filtration up to 5 micron with necessary accessories such as pressure gauge, manual air vent, manual water drain, etc. Maximum working pressure 3.5c, Flow rate = 51,600 LPH with silica sand media.	No.	1
	MAKE:-EMAUX		
2	RE-CIRCULATION PUMP		
(i)	SITC of high pressure pump with strainer for debris and SS impeller & SS shaft. Suction x delivery - 63mm x 63mm. Horsepower: 3HP. Phase: 3 phase 380-240v. Flow rate = 19000L/hr @ 16m water head (2BUBBLER NOZZLE / 2 WATER FEATURE)	Nos.	2
	Make:-EMAUX		
(ii)	SITC of centrifugal self priming pump with high hydraulic efficiency, moonset submersible pump. Each pump integrated along with class f insulation continuous rating. Pump shall be of one piece body of durable composite (C.I) material with SS shaft and mechanical seal. Also have large capacity strainer with fast opening translucent lid. Suction x delivery - 80mm x 80mm. Impeller: CI. Horsepower: 5HP. Phase: 3 phase 380-240v. Flow rate = 1038L/min @ 16m water head	Nos.	5

	(All working)		
	Make:-kirloskar/wilo		
3	POOLBASIN ITEM&NOZZLES		
(i)	Supply & Installation of 32mm Dia inlet brass geyserbubbler nozzles.	Nos.	40
	(Make:-Moonbeam/ Aquarius)		
(ii)	Water inlet, white in abs	Nos.	36
(iii)	Vacuum nozzle, white in abs	Nos.	12
(iv)	Main drain 300mm x 300mm, white in abs	Nos.	12
	Make:-EMAUX		
4	PLUMBING WORK		
(i)	<p>Fountain header in PVC pipes & fittings</p> <p>Providing and fixing fountain ring header, made of 63/75/90 mm for nozzles, inlet, drain, vacuum points in water body. Providing and fixing and laying of UPVC 10 kg/cm² pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps, hangers anchor, fastener, structure steel support as required with flow indicator, puddle flange from water body to pump room.</p> <p>Providing and fixing and laying of UPVC 10 kg/cm² pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps, hangers anchor, fastener, structure steel support as required with flow indicator, puddle flange from water body to pump room Size 90 mm, 75 mm, 63 mm, 50 mm as required. Make: Supreme/Prince/Astral.</p> <p>Providing and fixing of Gun metal non return valve of approved quality (screwed end) Size 65 mm, 80 mm, 100 mm as required. Make :- ZOLOTO/ SANT/Etc.</p> <p>Providing and fixing of butterfly valve (Single plate type) Make :- ZOLOTO. Size – 20 mm, 40 mm, 50 mm, 63 mm, 80 mm, 100 mm as required.</p> <p>Providing and fixing of Brass control Ball valves. valve (Single plate type) 25 mm – as required Make :- ZOLOTO/SANT/Etc</p>	Job	1

	Cable: Finolexmake-4core1mmPVC doubleinsulatedflat copper conduction flexible (for lightetc.): Polycab / KEI/Finolexmake4coredoubleinsulatedflexiblecopperconductor.	Job	1
6	CABLING		
	Providing & fixing submersible insulated cable with earthing wire complete including necessary cable tray excavation & refilling wherever required		
	(Make:finolex/polycabwithconduit)		
a	2core2.5 sqmm(from panel to lights)	Mtr.	100
b	3core4 sqmm(from panel to pump)	Mtr.	100
c	3core6 sqmm(from panel to pump)	Mtr.	100
7	CONTROL PANEL		
	<p>Design ,fabrication ,assembling, wiring, supply,installation,testing,and commissioning Design</p> <p>,fabrication,assembling,wiring,supply,installation,testing,and commissioning Electrical panel for Mot</p> <p>ormake-By Aquarius</p> <p>Electrical panel for . DOL Starter for 3Hp Pump 7Nos M.C.C.B.'s 125amp meter, Voltmeter, single phasing preventer, overload protection & indicating light ,etc.</p> <p>Electrical panel of cubical type wall/floor mounted, The interconnection shall be carried out with suitable size cables, for recirculation pump in coming MCB', starters, Ammeter, Voltmeter, Single phase preventer & MCB for lights.</p> <ul style="list-style-type: none"> • Set of incoming 3 Pole MCCB 125 Amp L & T 1 nos. • MCB 25 amp 7 nos • MCB 16 amp for light 3 nos • 3HP Heavy Duty 7 Nos MNX 25 	No.	1

	<ul style="list-style-type: none"> • Digital Ammeter, voltmeter for current rating of pump make AE (Automatic electric) • Phase indicating lamps. make L & TESBEE • Push button on/off switches for pump. make L & TESBEE • Single phasing protection • Overload protection <p>Type of Body-</p> <p>Steel sheet with paint powder Cortaid finish enclosure of with hanged front door Floor mounted with provision for incoming & outgoing cable entry . electrical panel protected against dust & jets of water errating weather proof body IP55 Make – Moonbeam/Aquarius</p>		
8	UNDERWATER LIGHT		
(i)	Installation of SS316 body Led underwater light, IP68		
a	<p>12v , 9 watt, warm white fully ss316 (still water highlight)</p> <p>Luminaries comprise of nos. 3 LED 3 watt X 9 W waterproof fixed lights Make Aquarius Overall height of light body shall be and dia. 110mm. Luminaries shall have pressure die cast stainless steel 316 Bodies with finish all over coating. All fasteners shall be of stainless steel. Mounting bracket shall be stainless steel (Choice of color from warm White) shall be mounted in between sandwich of one piece of Crystal Clear toughened glass of 65mm dia each sealed by a high quality elastomeric gasket. prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than <u>.5sq.mm</u> (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL Lab All 'in pool' connections shall be fully waterproof.</p>	Nos.	42

	<p>LEDLife- 48000hrLEDLife- 48000hr Lumen- 65lumenin1wsafesideforledlifeBody- StainlessSteel 316IP68 Make-Moonbeam/Aquarius</p>		
b	<p>24v,36watt,warmwhite</p> <p>24v,36watt,warmwhitefullyss316(forBubblerHighlig ht)</p> <p>Luminaries comprise ofnos. 12LED 3watt X 36 Wwaterproof fixed lightsMake AquariusOverallheight of light body shall be 49 mm ID and dia190mm. Luminaries shallhave <u>pressure die cast</u>stainless steel 316 Bodies with finishall overcoating.All fasteners shall be of stainless steel.Mounting bracket shall be stainless steel (Choice ofcolor from warm White) shall be mounted inbetween sandwich of one pieces of Crystal Cleartoughened glass of 140mm dia each sealed by a highquality elastomeric gasket.prevent ingress of waterthe waterproof luminaries shall have a Brasscableland that compensates for variations in cablediameter both initially and ongoing due to factorssuch as temperature variation and ageing. Wiringshall be4 core double insulated PVC flexible withvariation and ageing. Wiring shall be4 core doubleinsulated PVC flexible with copper conductors notless than <u>.5sq.mm</u> (Maximum 6 mtrs. length fromcascadingpool to cascadingelectricpanel). Waterproof luminaries shall be waterproof whenfully immersed in water per rating IP68 and shallhave been Tested by NABL lab All 'in pool'connectionsshallbefullywaterproof. LEDLife- 48000hrLEDLife- 48000hr Lumen- 65lumenin1wsafesideforledlifeBody- StainlessSteel 316IP68 Make-Moonbeam/Aquarius</p>	Nos.	40

c	<p>24v,18watt,warmwhitefullyss316(ToFocustheSheetFa II)</p> <p>Luminaries comprise of nos. 6LED 3watt X 18 Wwaterproof fixed lightsMake AquariusOverallheight of light body shall be dia 125mm. Luminariesshallhave <u>pressurediecast</u>stainlesssteel3 16 Bodieswithfinishall overcoating. Allfasteners</p>	Nos	28
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	<p>shall be of stainless steel. Mounting bracket shall be stainless steel (Choice of color from warm White) shall be mounted in between sandwich of one piece of Crystal Clear toughened glass of 90 mm dia each sealed by a high quality elastomeric gasket. prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than .5sq.mm (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL Lab All 'in pool' connections shall be fully waterproof. LED Life- 48000hr Lumen- 65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68 Make- Moonbeam/Aquarius</p>		
(ii)	Power Supply Transformer		
a	Installation of 12v, 10A power supply	Nos.	2
b	Installation of 24v, 17A power supply	Nos.	4
	Make- Moonbeam/Aquarius		
9	MAINTENANCE EQUIPMENT & CHEMICALS		
(i)	Maintenance items	Set	1
(ii)	Sodium hypochlorite	kg	50
(iii)	Alum	kg	50
(IV)	SITCO Dosing pump 0-20 Litre/hr with chlorine/alum storage tank.	Nos.	4

10	SUMPCOVER		
	Providingandfixingofsumpcover(SS304) SIZE:-1200X600mm	Nos.	5

SITE5-2NO.GEYSERJET

FOUNTAINSWITHWATERFALLFEATUREATSLOPINGAREALEFTAND DRIGHTWATERBODYOUTSIDE

S.No	Particulars	Unit	Qty
1	FILTRATION		
	SITC of 800mm dia sand filter made by fiberglasswith filament resin 2"/63 mm with clear ProTechnologyallowingfiltrationupto5micronwithneccessaryaccessoriessuchaspresuregauge, manualairvent,manualwaterdrain,etc.Maximumwor kingpressure3.5c,Flowrate=24,600 LPHwith silicasandmedia.	No.	1
	MAKE:-EMAUX		
2	RE-CIRCULATIONPUMP		
(i)	SITC ofhighpressurepumpwithstrainerfordebrisandssim peller&SSshaft. sucxdel-63mm x63mm.Horsepower:3HP Phase:3phase380-240v Flowrate=19000L/hr@16mwaterhead(2B UUBLERNOZZLE/2WATERFEATURE)	Nos.	1
	Make:-EMAUX		
(ii)	SITCofcentrifugalselprimingpumpwithhigh hydraulic efficiency,moonsetsubmersible	Nos.	1

	<p>pump.Each pump integrated along with class finsulation continous rating . Pump shall be of onepiece body of durable composite (C.I)material,withss shaft and mechanical seal . Also have largecapacity strainer with fast opening translucent lidsucxdel –80mmx80mm.</p> <p>Impeller:CI</p> <p>Horsepower:5HPPHase:3</p> <p>phase380-240v</p> <p>Flowrate=1038L/min@16mwaterhead</p> <p>(All working)</p>		
	Make:-kirloskar/wilo		
3	POOLBASINITEM&NOZZLES		
(i)	Supply&Installationof32mmdiainletStainlessSteel316Bubblernozzles.BodySS-316	Nos.	6
	Make–Moonbeam/Aquarius		
(ii)	Waterinlet,whiteinabs	Nos.	12
(iii)	Vacuumnozzle,whiteinabs	No.	1
(iv)	Maindrain300mmx300mm,whiteinabs	No.	1
	Make:-EMAUX		
4	PLUMBINGWORK		
	<p>FountainheaderinPVCpipes &fittings</p> <p>Providing and fixing fountain ring header ,made of63/75/90 mm for nozzles, inlet, drain, vacuumpointsinwaterbody.Providingandfixingandlayingof UPVC 10 kg /cm2 pipes with screwed/weldedfittings i.e. tee, elbow, bush, MTA, FTA, etc. withclamps ,hangers anchor, fastener ,structure steelsupport as required with flow indicator, puddleflangefromwaterbodytopumproom. ProvidingandfixingandlayingofUPVC10kg/cm2</p>	Job	1

	<p>pipes with screwed/welded fittings i.e. tee, elbow, bush, MTA, FTA, etc. with clamps, hangers, anchor, fastener, structure steel support as required with flow indicator, puddle flange from water body top pump room Size 90 mm, 75 mm, 63 mm, 50 mm as required. Make: Supreme/Prince/Astral.</p> <p>Providing and fixing of Gun metal non return valve of approved quality (screwed end) Size 65 mm, 80 mm, 100 mm as required. Make :- ZOLOTO/ SANT/Etc.</p> <p>Providing and fixing of butterfly valve (Single plate type) Make :- ZOLOTO. Size – 20 mm, 40 mm, 50 mm, 63 mm, 80 mm, 100 mm as required.</p> <p>Providing and fixing of Brass control Ball valves. valve (Single plate type) 25 mm – as required Make :- ZOLOTO/SANT/Etc</p>		
	<p>Cable: Finolex make-4 core 1mm PVC double insulated flat copper conduction flexible (for light etc.): Polycab / KEI/Finolex make 4 core double insulated flexible copper conductor.</p>	Job	1
7	CABLING		
	<p>Providing & fixing submersible insulated cable with earthing wire complete including necessary cable tray excavation & refilling wherever required</p>		
	(Make: finolex/polycab with conduit)		
a	2 core 2.5 sqmm (from panel to lights)	Meter	100
b	3 core 4 sqmm (from panel to pump)	Meter	100
c	3 core 6 sqmm (from panel to pump)	Meter	100
8	CONTROL PANEL		
	<p>Design, fabrication, assembling, wiring, supply, installation, testing, and commissioning Electrical panel for Motor make-By Aquarius</p>	No.	1

	<p>Electrical panel for . DOL Starter for 3Hp Pump4NosM.C.B.'s 63amp ammeter, Voltmeter, single phasingpreventer,overloadprotection&indicatinglight,etc.</p> <p>Electrical panel of cubical type wall/floor mounted, Theinterconnection shall be carried out with suitable sizecables, for recirculation pump in coming MCB', starters,Ammeter, Voltmeter, Single phase preventer & MCB forlights.</p> <ul style="list-style-type: none"> • Setofincoming3PoleMCB63AmpL&T 1nos. • MCB25amp4nos • MCB16ampforlight3nos • 3HPHeavyDuty4Nos MNX25 • DigitalAmmeter, voltmeterforcurrentratingofpumpmake-AE(Automaticelectric) • Phaseindicatinglamps.makeL&TESBEE • Pushbuttonon/offswitchesforpump. makeL&TESBEE • Singlephasingprotection • Overloadprotection <p>TypeofBody-</p> <p>Steel sheet with paintpowder Cortaid finishenclosure of with hanged front door Floormountedwithprovisionforincoming&outgoingcablingentry .electricalpanelprotectedagainstdust&jetsofwaterperratingweatherproofbodyIP55 Make–Moonbeam/Aquarius</p>		
9	UNDERWATERLIGHT		
(i)	InstallationofSS316bodyLedunderwaterlight,IP68		
a	<p>12v, 9watt,warmwhitefullySS316(Still WaterHeight) Luminaries comprise ofnos. 3LED 3watt X 9 Wwaterproof fixed lightsMake- Aquaris Overall heightof light body shall be and dia.110mm. Luminariesshallhave pressure die caststainless steel 316Bodieswithfinishallovercoating.Allfastenersshall be of stainless steel. Mounting bracket shall bestainless steel (Choice of color from warm White)shallbemountedinbetweensandwichofone pieces of Crystal Clear toughened glass of 65mm diaeachsealedbyahighqualityelastomericgasket. preventingressofwaterthewaterproofluminaries</p>	Nos.	12

	<p>shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than <u>.5sq.mm</u> (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL lab All 'in pool' connections shall be fully waterproof. LED Life-48000hr Lumen-65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68 Make- Moonbeam/Aquarius</p>		
b	<p>24v, 36 watt, warm white Luminaries comprise of nos. 12 LED 3 watt X 36 W waterproof fixed lights Make Aquarius Overall height of light body shall be 49 mm ID and dia 190mm. Luminaries shall have <u>pressure die cast</u> stainless steel 316 Bodies with finish shall overcoating. All fasteners shall be of stainless steel. Mounting bracket shall be stainless steel (Choice of color from warm White) shall be mounted in between sandwich of one piece of Crystal Clear toughened glass of 140mm dia each sealed by a high quality elastomeric gasket. prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than <u>.5sq.mm</u> (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL lab All 'in pool' connections shall be fully waterproof. LED Life-48000hr Lumen-65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68 Make- Moonbeam/Aquarius</p>	Nos.	6
c	<p>12v, 27 watt, warm white Luminaries comprise of nos. 9 LED 3 watt X 27 W waterproof fixed lights Make Aquarius Overall height of light body shall be and dia 150mm.</p>	Nos.	10

	<p>Luminaries shall have pressure die cast stainless steel 316 Bodies with finish all over coating. All fasteners shall be of stainless steel. Mounting bracket shall be stainless steel (Choice of color from warm White) shall be mounted in between sandwich of one piece of Crystal Clear toughened glass of 125mm dia each sealed by a high quality elastomeric gasket. prevent ingress of water the waterproof luminaries shall have a Brass cable gland that compensates for variations in cable diameter both initially and ongoing due to factors such as temperature variation and ageing. Wiring shall be 4 core double insulated PVC flexible with variation and ageing. Wiring shall be 4 core double insulated PVC flexible with copper conductors not less than <u>.5sq.mm</u> (Maximum 6 mtrs. length from cascading pool to cascading electric panel). Waterproof luminaries shall be waterproof when fully immersed in water per rating IP68 and shall have been Tested by NABL lab All 'in pool' connections shall be fully waterproof.</p> <p>LED Life-48000hr Lumen-65 lumen in 1w safe side for led life Body- Stainless Steel 316 IP68 Make- Moonbeam/Aquarius</p>		
(ii)	Power Supply Transformer		
a	Installation of 12v, 10A power supply	Nos.	1
B	Installation of 24v, 18A power supply	Nos.	2
	Make- Moonbeam/Aquarius		
10	MAINTENANCE EQUIPMENT & CHEMICALS		
(i)	Maintenance items	Set	1
(ii)	Sodium hypochlorite	kg	50
(iii)	Alum	kg	50
(IV)	SITCO Dosing pump 0-5 Liter/hr with chlorine/alum storage tank.	Nos.	1




A	Irrigation System		
1	Providing ,fixing,testing and commissioning of specified size HDPE pop-up sprinklers heavy duty commercial and recreational grade of Rain Bird make including Low linear density ployehtelene(LLDPE) swing joint assembly of suitable size 3/4"x3/4"x12" length 16 mm OD including HDPE swing elbow of suitable size & Poly propelene(PP) service saddle of required size all complete.		
1.1	Spray Nozzles, 0.50" inch inlet radius coverage 02-04 mtr. (Rain Bird)	Nos	700
1.2	Shrub Adaptor (Rain Bird)	Nos	700
1.3	Service Saddle	Nos	700
2	Providing ,fixing, testing and commissioning of 63 mm PVC Ball Valve (Prince/Finolex etc.) necessary fittings and adhesives etc. complete.	Nos	34
3	Providing ,fixing, testing and commissioning of 50 mm PVC Ball Valve (Prince/Finolex etc.) necessary fittings and adhesives etc. complete.	Nos	2
4	Providing ,fixing, testing and commissioning of 1.25 Inch UPVC/ ASTM Ball Valve (Prince/Finolex Eq.) necessary fittings and adhesives etc. complete.	Nos	4
5	Providing ,fixing, testing and commissioning of specified size rugged UV resistant valve box with top cover Rain Bird make complete.		
5.1	10" PVC valve box	Nos	34
5.2	6" PVC valve box	Nos	6
6	Providing,,laying, testing and commissioning of specified size ASTM Pipes (IS:4985/2000), SCH-40 finolex/ supreme/prince make with necessary fittings adhesives etc including trenching and refilling complet.		
6.1	3 Inch ASTM SCH-40 Pipes	Mtr	330
6.2	2.50 Inch ASTM SCH-40 Pipes	Mtr	300
6.3	2 Inch ASTM SCH-40 Pipes	Mtr	300
6.4	1.25 Inch ASTM SCH-40 Pi[pes	Mtr	600
6.5	0.50 Inch ASTM SCH-40 Pi[pes	Mtr	600
7	Providing,,laying, testing and commissioning of specified size UPVC agripipes (IS:4985/2000), 6 kilogram per sq cm finolex/ supreme/prince make with necessary fittings adhesives etc including trenching and refilling complete.		
7.1	75 mm dia	Mt	150
7.2	63 mm dia	Mt	600
7.3	50 mm dia	Mt	600
7.4	40 mm dia	Mt	2100
8	Providing ,fixing, testing and commissioning of PVC flush valve 40 mm finolexplasson complete as per the direction of Engineer-In-Charge.	Nos	120






9	Providing ,fixing,testing and commissioning of 2"Air release valve with GI service saddle and GI barrel piece 20mm dia 50 mm length Harit make with necessary fittings and adhesives etc. complete.	Nos	13
10	Providing ,fixing, testing and commissioning of 0.75" Brass Quick coupling valve with Quick Coupling Key, MS service saddle and GI barrel piece 20mm dia 50 mm length necessary fittings and adhesives Harit make etc. complete.	Nos	31
11	Providing ,fixing, testing and commissioning of LLDPE Inline 16 mm with necessary fittings and adhesives etc. complete.. (FinolexPlasson)	Mtr	5000
12	Providing ,fixing, testing and commissioning of Lateral Holding Stake with necessary fittings and adhesives etc. complete. (Polytube Holder) .		2500
13	Providing ,fixing, testing and commissioning of 0.50 " X 16 mm Adaptor with necessary fittings and adhesives etc. complete.	Nos	500
14	Providing ,fixing, testing and commissioning of 20 m3/hr Screen Filter assembly with necessary fittings and adhesives etc. complete. (Rain Bird make)	Nos	2
15	Providing ,fixing, testing and commissioning of 7 m3/hr. Screen Filter assembly with necessary fittings and adhesives etc. complete. (Rain Bird/ Finolex make)	Nos	4
16	Providing ,fixing, testing and commissioning of 20 m3/hr. Sand Filter with Back wash assemblywith necessary fittings and adhesives etc. complete. (Finolex make/Eq.)	Nos	1
17	Providing ,fixing, testing and commissioning of 2" Hydraulic Pressure Relief Valve Harit make etc complete as per the direction of Engineer-In-Charge.	Nos	1
18	Providing ,fixing, testing and commissioning of 2.5 Inch Non Return Valve with related fittingswith necessary fittings and adhesives etc. complete. (Kartar/Normaxmake)	Nos	1
19	Providing ,fixing, testing and commissioning of 2 Inch ButterflyValve with related fittings etc complete. (Kartar/Normaxmake)	Nos	2
20	Providing ,fixing, testing and commissioning of 2 Inch Non Return Valve with related fittings etc complete. (Kartar/Normaxmake)	Nos	4
21	Providing ,fixing, testing and commissioning of 3 Inch Non Return Valve with related fittings etc complete. (Kartar/Normaxmake)	Nos	1
22	Providing ,fixing, testing and commissioning of Hydromatic system pump 4lps @ 55-60 mh Head with related Panel Board, fittings etc complete (1W+1S) (make - Kirloskar / LUBI / GRUNDOS / Eq)	Set	1
B	Automation System		
1	Providing ,fixing, testing and commissioning of Automation Decoder Controller System with all related fittings etc complete (make - Rainbird / Hunter / Eq)	Nos	1

2	Providing ,fixing, testing and commissioning of Single station decoder with surge suppression and ground wire related all fittings etc complete (make - Rainbird / Hunter / Eq)	Nos	40
3	Providing ,fixing, testing and commissioning of 2" Solenoid globe Valves, Pvc construction with all fittings etc complete (make - Rainbird / Hunter / Eq)	Nos	34
4	Providing ,fixing, testing and commissioning of 1.5" Solenoid globe Valves, Pvc construction with all fittings etc complete (make - Rainbird / Hunter / Eq)	Nos	6
5	Providing ,fixing, testing and commissioning of Pressure regulator device, Adjustable pressure model 1.4-7 bra (20-100 PSI) with all fittings etc complete (make - Rainbird / Hunter / Eq)	Nos	40
6	Providing ,fixing, testing and commissioning of specified size rugged UV resistant valve box with top cover Rain Bird make complete.	Nos	40
6.1	10" PVC valve box	Nos	34
6.2	6" PVC valve box	Nos	6
7	Providing ,fixing, testing and commissioning of Direct bury - on wire connector with strain relief, with waterproof silicon sealant. Etc	Nos	150
8	Providing ,fixing, testing and commissioning of Surge Protection for Decoder System with all related fittings etc complete (make - Rainbird / Hunter / Eq)	Nos	6
9	Providing ,fixing, testing and commissioning of Direct Burial Cable for Automation Cable with all related fittings etc complete (make - Rainbird / Piage / Eq)	Mtr	1200
10	Providing ,fixing, testing and commissioning of 1/2" Conduit Pipe for Automation Cable with related fittings etc complete (make - Finolex / Precision / Eq)	Mtr	1200

S. NO	Product Specifications	Quantity	Unit
1	LaLumièreMake-WLL-T-MBM004-45W30-INCLINIA-LED Post Top Light - 45W - 3000K - Die cast aluminium body, extra safety glass, stainless steel screws, pure polyester powder coating, Input Voltage-230VAC, SMD High Power LED, 3 step Macadam LED, CRI 80+, Street lighting optics, IP65	34	Nos.
2	LaLumièreMake-WLL/T/MBM001-3000-SquareGIPole -3m high (100mm by 100mm) with 4 nos. steel anchor bolts, Powder coated, ceramic connector with MCB included	34	Nos.
3	LaLumièreMake-WLL/T/MBM096-12W30-KANONE-SpikeLight-12WIP66-Solid anticorrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, GFR Polymer spike, Input Voltage -230VAC, Diameter-69mm, Length-150mm, COB High Power LED, 3step Macadam, LED Life-50,000hours	35	Nos.
4	La Lumière Make - WLL/T/MBM096-06W30 -KANONE -Spike Light - 6W - IP66 - Narrow Beam - Solid anticorrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, GFR Polymer spike, Input Voltage - 230V AC, Diameter - 49mm, Length - 150mm, COB High Power LED, 3step Macadam, LED Life-50,000hours	452	Nos.
5	LaLumiereMake-WLL/T/MBM063-OL456-6W30-PASO-6W step light, IP67 - Solid anti corrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, Input Voltage - 230V AC, COB High Power LED, 3step Macadam, LED Life-50,000hours	80	Nos.
6	La Lumiere Make - WLL/T/MBM080-OI307-6W30 -TERRE - 6W ground burial, IP67 - Solid anti corrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, Input Voltage-230VAC, COB High Power LED, 3step Macadam, LED Life-50,000hours	297	Nos.
7	La Lumiere Make - WLL/T/MBM057-DL55-3W30 -ACUTO-3W ceiling recessed downlight, IP65- Solid anticorrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, Input Voltage -230V AC, COB High Power LED, 3 step Macadam, LED Life-50,000hours	79	Nos.
8	LaLumiereMake-WLL-T-MBM0018-AQ4-4W30-SOUS-8W underwater recessed downlight - Body made of SS316 housing and step tempered glass PVC mounting sleeve, high quality LED lens, constant voltage remote driver, Input Voltage-24V	20	Nos.
9	La Lumiere Make - WLL/T/MBM022-AQ6-6W30 -EMBAIXO-12W underwater surface fountain downlight - Body made of SS316 housing and step tempered glass PVC mounting sleeve, high quality LED lens, constant voltage remote driver, Input Voltage-24V	50	Nos.
10	La Lumiere Make - WLL/T/MBM026-AQSP3-6W30 -ONDER6W surface spotlight, IP68- underwater surface fountain downlight - Body made of SS 316 housing and step tempered glass PVC mounting sleeve, high quality LED lens, constant voltage remote driver, Input Voltage -24V	13	Nos.

11	<p>La Lumière Make - WLL/T/MBM050-UP1-24W30 - BORDEN Exterior Inground Recessed Upilghter 8X3W15°3000K IP67 Dimension: D150mm x H110mm Input Voltage: 36V 700mA Power consumption: 24W Efficiency: 82% Brand of LEDs: LED CREE Angle: 15°, Material: Aluminium Finishing (Color housing): stainless steel IP: 67 Solid aluminium body SS316 Faceplate SS316 screws Best in class thermal management Neoprene Italian all-weather proof cable High quality German IP68 gland with anti-capillary feature</p>	55	Nos.
12	<p>La Lumière Make - WLL/T/MBM050-UP1-24W30 - BORDEN Exterior Post Top Lantern in aluminium body, and PMMA protector 3000K IP65 Dimension: D430mm x H440mm Power consumption: 30W Efficiency: 82% CRI 70 Driver - Osram Finishing (Color housing): Black & Gold Best in class thermal management</p>	76	Nos.

Sr. No	Item Image	Item Description	Unit	Rate
1		<p>Gazelig Dining Side Chair Padded Frame: Aluminium Dark Taupe (F21) Sling: Upholstery Evander Sling Taupe (181) Dimension: W-50.6 D-63.5 H-88cm</p>		
2		<p>Octa Round Dining Table 1 50 Alu Legs Frame: Aluminium Asteroid (F20) Dimension : W-150 D-150 H-75 cm</p>		
3		<p>Vino Single Seater Frame: Aluminium Asteroid (F20) Rope: Rope Round (MKR29) Foam: Standart Polyurethane Foam (SPF) Cushion: Sunbrella Cast Silver (U136) Dimension : W-78 D-78 H-78.5 cm</p>		

				
4		<p>Vino Two Seater Frame: Aluminium Asteroid (F20) Rope: Rope Round (MKR29) Foam: Standart Polyurethane Foam (SPF) Cushion: Sunbrella Cast Silver (U136) Dimension : W-192.5 D-77 H-78 cm</p>		
5		<p>Vino Coffee Table Frame: Aluminium Asteroid (F20) Dimension : W-130 D-65 H-38 cm</p>		
6		<p>Vino Low Table Frame: Aluminium Asteroid (F20) Dimension : W-77.5 D-65 H-29 cm</p>		

वर नमूद सुचित दर्शविलेल्या बाबींचे पुरवठा करणारे पुरवठादार/दुकानदार/उत्पादक/विक्रेते यांनी नमूद केलेल्या बाबींकरीता असलेले दर स्वतःच्या लेटरहेडवर महापालिकेच्या कार्यालयात अथवा ई-मेल द्वारे pmcbandhkamdept01@gmail.com यावर दिनांक 8/3/2024 पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.

Shabhi
कार्यकारी अभियंता (प्रकल्प)
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/२३२१/प्र.क्र.२१ / 10/9 / 2024,
दि. 22/02/2024

प्रत माहितीस्तव — १. प्रसिध्दीकरीता
२. माहिती फलक करीता