

CSI 编号	Name 种类名称	材料名称	涵盖材料	Product Name
03 00 00	Concrete	混凝土		
03 30 00	Cast-in-Place Concrete	现浇混凝土及外加剂（结构），预制PC构件（装配式）	水泥砂浆	cement mortar
			现浇混凝土构件	cast in place concrete components
			混凝土填缝剂（待定）	concrete filler (TBN)
04 00 00	Masonry	砌体材料（砖，石料）		
04 20 00	Unit Masonry	加气混凝土砌块（墙体）	砂浆	mortar
			加筋单元砌体（水泥，钢筋，砂浆）	Reinforced unit masonry (cement, reinforcement, mortar)
04 20 00	Manufactured Masonry	石材饰面	石材饰面	Stone cladding
05 00 00	Metals	金属		
05 10 00	Structural Metal Framing	结构金属框架	钢管，钢梁，角钢，其它钢材	Steel pipe, steel beam, angle steel, etc
			建筑结构用钢板（结构）	Steel plate (structure)
			低合金高强度结构钢（结构，待定）	Low-alloy high-strength structural steel (structure, TBN)
			厚度方向性能钢板（结构）	Thickness direction performance steel plate (structure)
			热轧H型钢和结构用无缝钢管（结构）	Hot-rolled H steel and seamless steel pipe (structure)
			钢结构螺栓及焊剂（结构）	Steel structure bolts and solder (structure)
			钢筋及钢筋接头（结构）	Steel and steel joints (structure)
			钢结构涂料（防腐、防火）（结构）	Steel structure coating (anti-corrosion, fire protection) (structure)
		不锈钢（楼梯扶手）	楼梯间常规钢管	Regular steel pipe in the stairwell
05 50 00	Metal Fabrications	金属加工制品	设备电缆桥架	Equipment cable bridge
05 60 00		金属面板-幕墙专业 3mm 铝板		3mm aluminum panel for curtain wall
06 00 00	Wood, Plastics, and Composites	木材、塑料和复合材料		
06 10 00	Rough Carpentry	粗加工木材	花旗松实木和胶合板	Douglas fir solid wood & plywood (TBN for this section)
07 00 00	Thermal and Moisture Protection	保温，防潮材料		
07 10 00	Dampproofing and Waterproofing	防潮防水材料（内装）	防水材料（防水涂料）	waterproof paint
07 10 00	Dampproofing and Waterproofing	防潮防水材料（内装）	防水材料（防水卷材）	waterproof sheet
07 20 00	Thermal Protection	保温材料（内装）	内保温砂浆	Internal insulation mortar
		保温材料（建筑外保温）	岩棉板30mm	30mm rock wool panel
		保温材料（建筑屋顶）	100mm 厚挤塑聚苯板	100mm Exuded polystyrene sheet (EPS)
08 00 00	Openings	门、窗等开口		
08 10 00	Doors and Frames	门、框	防火门	fire proof door
			铝合金门窗	Aluminum frame glass door&window

08 30 00	Specialty Doors and Frames	特殊门、框（内装）	滑动折叠玻璃门	Sliding folding glass door
08 40 00	Entrances, Storefronts, and Curtain Walls	入口、店面、幕墙	铝框玻璃幕墙及配件	Aluminum frame glass curtain wall and accsory
08 70 00	Hardware	五金硬件（内装）	门五金配件（周边填充、铰链、把手，阻门器等）	door hardware (closer/locker/hinge, etc)
08 80 00	Glazing	玻璃（内装）	成品玻璃隔断	glass partition
			安全银镜	safety silver mirror
			钢化夹胶玻璃（玻璃磨砂处理）	tempered laminated glass (frosted treatment)
			钢化夹胶玻璃	tempered laminated glass
			艺术玻璃	art glass
			烤漆玻璃	painted glass
09 00 00	Finishes 饰面材料	饰面材料		
09 20 00	Gypsum	石膏板	石膏板	Gypsum
09 30 00	Tile	瓷砖（内装）	瓷砖	wall Tile
			地砖	floor tile
			艺术墙砖 300X300X10MM	art tile
			仿水泥瓷砖 900X1800X10MM	cement texture tile
			人造石	artificial stone
09 90 00	Painting and Coating	涂料（内装）	白色肌理无机涂料	White texture inorganic coating
			白色防水防霉无机涂料	White waterproof and mildew-proof inorganic paint
			灰色肌理防水无机涂料	Gray texture waterproof inorganic coating
			黑色无机涂料	Black inorganic paint
			水泥防水防霉无机涂料	Cement-base waterproof and mildew-proof inorganic coating
09 60 00	金属（内装）	金属（内装）	哑光成品铝踢脚50MM高	aluminum skirting
			深灰色不锈钢	stainless steel
09 70 00	木饰面（内装）	木饰面（内装）	木纹防火板	wooden texture laminate
			灰色抗倍特板	compact
			木饰面	wood veneer
			成品生态木（改为：竹木木皮，MOSO）	bamboo veneer (MOSO)
			木纹吸音板	wood silk acoustic panel
09 50 00	Ceiling	天花板	木纹铝方通	wood texture aluminum square
			白色铝板	white aluminum plate
			彩钢板	color steel sheet
			300×300/600×600铝扣板	300×300/600×600 aluminum panel
			木纹铝板	wood texture aluminum panel
09 50 00	Ceiling	天花板	白色矿棉板	white mineral wool board
			成品玻璃隔断	Glass partition
			A级软膜	A fire-proof soft film
			木纹金属吸音板	wood texture metal sound absorbing board
			冲孔金属吸音板	perforated metal sound absorbing panel
			陶铝格栅吸音板	ceramic aluminum grille sound-absorbing panel
09 68 00	地毯（内装）	地毯（内装）	地毯	carpet tile
			灰色地毯	grey carpet
09 60 00	地板（内装）	地板（内装）	实木复合木地板	engineered wood floor

			木纹运动地板	wood texture sport floor
09 60 00	地胶 (内装)	2.0厚软性地胶	2.0厚软性地胶	2.0 floor glue
10 00 00	Specialties 特殊位置材料	特殊位置材料		
10 10 00	Information Specialties	景观建筑标识, 施工队特制, 6个材质: 亚克力、不锈钢板、聚乙烯胶贴、铝材、钛合金、钨钢板		signage: Acrylic, stainless steel plate, polyethylene adhesive sticker, aluminum material, titanium alloy, tungsten steel plate
10 50 00	Storage Specialties	储藏类材料 (锁柜、衣柜等) (内装)	成品锁柜、衣柜	lockers, wardrobes
11 00 00	Equipment	设备		
11 50 00	Educational and Scientific Equipment	教育和科学设备	教育和科学设备	Educational and Scientific Equipment (TBN)
12 00 00	Furnishings	家具和陈设品		
12 20 00	Window Treatments	窗饰 (内装)	室内遮阳: 混合-人工织物	indoor shading: artificial fabrics
12 30 00	Casework	个案家具 (内装)	实验室案桌 (待定)	laboratory desk (TBN)
12 40 00	Furnishings and Accessories	家具及配件 (内装)	入口地垫 (普通型)	entrance mat (normal)
12 50 00	Furniture	家具 (内装)	办公家具, 实验室, 书桌, 沙发等 (家具清单待定)	Office furniture, laboratories, desks, sofas, etc. (furniture list TBN)
12 60 00	Multiple Seating	多人椅 (内装)	多人椅 (内装)	multi-chair (TBN)
14 00 00	Conveying Equipment	传输设备		
14 20 00	Elevators	电梯	电梯	elevator
21 00 00	Fire Suppression	灭火设备		
21 30 00	Fire Pumps	消防泵	消防系统组件、材料 (阀门、喷头、消防水管等)	Fire protection system components, materials (valves, sprinklers, fire hoses, etc.)
22 00 00	Plumbing	给排水		
22 10 00	Plumbing Piping	管道吊架	管道吊架	pipe hanger
		柔性连接器	柔性连接器	flexible connector
		地漏封口	地漏封口	floor drain seal
			给水管材: 316L不锈钢给水管	water supply pipe: 316L stainless steel
			排水管材: 柔性机制排水铸铁管	drainage pipe: flexible mechanism drainage cast iron pipe
			重力流雨水管: 排水用不锈钢管	Gravity flow rainwater pipe: stainless steel pipe for drainage
			压力排水管: 镀锌钢管	Pressure drain pipe: galvanized steel pipe
			室外埋地给水管: 球墨铸铁管	Outdoor buried water supply pipe: ductile iron pipe
			室外绿化给水管: PE给水管	Outdoor green water supply pipe: PE water supply pipe
			消防管: 热浸镀锌钢管	Fire pipe: hot-dip galvanized steel pipe
			室外排水管: HDPE双壁波纹管, 钢筋混凝土管	Outdoor drainage pipe: HDPE double wall corrugated pipe, reinforced concrete pipe
			冷凝水管: PPR管	Condensate pipe: PPR pipe
22 20 00	Plumbing Insulation	绝热保温	玻璃纤维管道绝缘、泡沫橡塑管道绝缘, 局部一些, 空调多	Fiberglass pipe insulation, foam rubber pipe insulation
	Rainwater purification system	雨水净化系统: 过滤提升泵 Q=1m ³ /H H=20M N=0.37KW		Rainwater purification system: filter lifting pump Q=1m ³ /H H=20M N=0.37KW

22 30 00 ; 雨水净化系 统		纤维过滤器: Ø300*1200 1 台		Fiber filter: Ø300*1200 1 set
		活性炭过滤器; Ø300*12001活性炭规格 8-16目 1台		Activated carbon filter; Ø300*12001 activated carbon specification 8-16 mesh 1 set
		保安过滤器; 3台, Ø219 (5芯10英寸)		Security filter; 3 sets, Ø219 (5 cores 10 inches)
		超滤水处理设备; 2个 Ø143*1358, 单支膜有效 膜8m2		Ultrafiltration water treatment equipment; 2 Ø143*1358, single membrane effective membrane 8m2
		316不锈钢水 箱;LXBXH=2X2X2		316 stainless steel water tank; LXBXH=2X2X2
		不锈钢中间水箱, LXBXH=2X1.5X2		Stainless steel intermediate water tank, LXBXH=2X1.5X2
		不锈钢加药箱, 2套, LXBXH=2X1.5X1.2		Stainless steel dosing box, 2 sets, LXBXH=2X1.5X1.2
		紫外线消毒器 Q=4m3/ h , P=60W/220V		UV sterilizer Q=4m3/h, P=60W/220V
		气泵, 1台, Q=0.16m3/ min , 0.8MPa , P=1.5kw		Air pump, 1 set, Q=0.16m3/ min, 0.8MPa, P=1.5kw
		反冲泵, 1台, Q=4m3/ h , H=25m , P=0.75kw		Recoil pump, 1 set, Q=4m3/ h, H=25m, P=0.75kw
		药冲泵, 1台, Q=2.4m3/ h , H=44m , P=075kw		Drug flushing pump, 1 set, Q=2.4m3/h, H=44m, P=075kw
		药冲泵, 1台, Q=2.4m3/ h , H=26m , P=0.55kw		Drug flushing pump, 1 set, Q=2.4m3/h, H=26m, P=0.55kw
		搅拌机, 2台, P=0.55KW		Mixer, 2 sets, P=0.55KW
		变频加压供水设备 Q=6m3/h H=45m N=1.5kW 一用一备		Frequency conversion pressurized water supply equipment Q=6m3/h H=45m N=1.5kW One use and one standby
		RO装置, 美国陶氏4040 膜, 3支; 产水率70%;膜外壳 及支架: 304不锈钢材质		RO device, American Dow 4040 membrane, 3 pieces; water production rate 70%; membrane shell and bracket: 304 stainless steel
		液晶数显在线水质监测仪, 型号: CM-230		LCD digital display online water quality monitor, model: CM-230
		立式多级增压泵, 一用一 备, Q=2m3/h, H=100m, P=1.5KW		Vertical multi-stage booster pump, one for use and one for standby, Q=2m3/h, H=100m, P=1.5KW
polluted water treatment system		一体化集水箱: LXBXH=2X1.5X2.5 304不 锈钢材质		Integrated water collection tank: LXBXH=2X1.5X2.5 304 stainless steel
		一体化清水箱: LXBXH=2X1.5X2.5 304不 锈钢材质		Integrated clean water tank: LXBXH=2X1.5X2.5 304 stainless steel
		一体化AO+MBR污水处理 设备(碳钢), 1套, Q=10m3/d, P=4kw, 3m*1.5m*2m, Q235碳钢防腐		Integrated AO+MBR sewage treatment equipment (carbon steel), 1 set, Q=10m3/d, P=4kw, 3m*1.5m*2m, Q235 carbon steel anti-corrosion

22 40 00 ; 污水处理系 统		进水电动隔膜泵, 1用1备, DBY3-20, Q=1m3/h, H=30m, P=0.55kw		Inlet electric diaphragm pump, 1 for 1 backup, DBY3-20, Q=1m3/h, H=30m, P=0.55kw
		立式多级出水泵, 1用1备, DBY3-20, Q=1m3/h, H=30m, P=0.37kw		Vertical multi-stage outlet pump, 1 for use and 1 for backup, DBY3-20, Q=1m3/h, H=30m, P=0.37kw
		中压紫外线消毒器, 1台, Q=4m3/h, P=60W/220V		Medium pressure UV sterilizer, 1 set, Q=4m3/h, P=60W/220V
		氧源臭氧发生器, 1台, 5g/h, P=100w/220V		Oxygen source ozone generator, 1 set, 5g/h, P=100w/220V
		回用泵: Q=10m3/h H=30m N=1.5Kw 一用一 备		Recycled pump: Q=10m3/h H=30m N=1.5Kw, one for use and one for standby
		不锈钢射流器, DN25,304 不锈钢材质		Stainless steel ejector, DN25, 304 stainless steel material
		强排自切割潜污泵:2台, 50WQ8-16-1.1, 一用一备		Strong discharge self-cutting submersible sewage pump: 2 sets, 50WQ8-16-1.1, one for use and one for standby
22 30 00 ; 雨水回用系 统	Rainwater reuse system	全自动自清洗过滤器: Q=15.0m ³ /h, N=0.50kW		Fully automatic self-cleaning filter: Q=15.0m ³ /h, N=0.50kW
		紫外线消毒器: Q=15.0m ³ /h, N=0.50kW		UV sterilizer: Q=15.0m ³ /h, N=0.50kW
		雨水提升泵 Q=15m ³ /h H=20m N=0.75kW		Rainwater lift pump Q=15m ³ /h H=20m N=0.75kW
		潜污泵: Q=40M3/H H=10M N=3Kw	潜污泵	Submersible sewage pump: Q=40M3/H H=10M N=3Kw
		潜污泵: Q=25M3/H H=13M N=2.2Kw		Submersible sewage pump: Q=25M3/H H=13M N=2.2Kw
22 40 00	Plumbing Fixtures	给排水配件	墙壁消防栓	wall fire hydrant
			带防油系统的污水泵	Sewage pump with oil protection system
			水龙头	Faucet
			软管及支架	Hoses and Brackets
			水池(拖把水池)	Pool (Mop Pool)
			地漏	floor drain
			水泵以及相关电子配件	Water pumps and related electronic accessories
			87型雨水斗 铸铁材质	87 type rain bucket cast iron material
			室内消防栓箱	Indoor fire hydrant box
			免水冲小便器	Waterless urinal
			负压节水马桶, 便器自带负压系 统, 较一级节水马桶节水50%以 上, 冲水量小于等于2.25L/次	Negative pressure water- saving toilet, the toilet has its own negative pressure system, which saves more than 50% of water compared with the first-class water- saving toilet, and the flushing volume is less than or equal to 2.25L/time
			1级节水洗手盆	Level 1 Water-Saving Wash Basins
			1级节水淋浴花洒	Level 1 water-saving shower head

23 00 00	Heating, Ventilating, and Air-Conditioning (HVAC)	暖通系统		
			材料包括：格栅、散流器、调风口、噪音衰减器、通道板	Materials include: grilles, diffusers, dampers, noise
23 20 00	HVAC Piping and Pumps		暖通空调管道及水泵	HVAC piping and pumps
			多联机空调冷媒管：去磷无缝紫铜管	Multi-connected air-conditioning refrigerant tube: dephosphorized seamless copper tube
			冷凝管：热镀锌钢管（待确认）	Condenser pipe: hot-dip galvanized steel pipe (to be confirmed)
			空调、通风管：镀锌钢板	Air conditioner, ventilation pipe: galvanized steel plate
			暖通空调设备	HVAC equipment
			直流电源多联式全新风处理机，冷媒：R410A，电压400Vdc，共4台	DC power multi-connected fresh air processor, refrigerant: R410A, voltage 400Vdc, 4 units in total
			UV光解除味装置 1台	UV light deodorization device 1 set
			活性炭过滤器 2台	Activated carbon filter 2 sets
			直流多联机室内外机组若干，直流电源环绕出风天井式室内机，电压48V	Several DC multi-connected indoor and outdoor units, DC power supply surrounds the air-out patio indoor unit, voltage 48V
			风机	fan
26 00 00	Electrical	电气		
26 10 00	Lighting	照明设备	灯具，插座，灯光控制设备（人员传感器，开关，智能照明控制模块），应急照明集中电源，变换器等	Lamps, sockets, lighting control equipment (personnel sensors, switches, intelligent lighting control modules), emergency lighting centralized power supply, converters, etc.
26 20 00	Electrical Protection	动力配电设备	配电箱/配电柜、电能表、断路器、接触器、热继电器、变流器、低烟无卤铜芯电缆、指示灯、浪涌保护器、桥架/线槽、吊架、LEB等电位端子板等	Distribution box/distribution cabinet, watt-hour meter, circuit breaker, contactor, thermal relay, converter, low-smoke halogen-free copper core cable, indicator light, surge protector, bridge/slot, hanger, LEB, etc. Potential terminal board, etc.
26 30 00	PV System	光伏系统	太阳能光伏面板，直流汇流箱，电线电缆（连接至逆变器），逆变器，显示屏，断路器，并网箱，其它PV配件（接地扁钢、插接件）。	Solar photovoltaic panels, DC combiner boxes, wires and cables (connected to inverters), inverters, display screens, circuit breakers, grid boxes, other PV accessories (ground flat steel, connectors).
26 40 00	Facility Electrical Power Generating and Storing Equipment	应急储能设备	并离网切换柜、监控柜、储能变流器、电池组，电源输出设备，电能表、电流互感器、LCD面板、浪涌保护器、低烟无卤铜芯电缆等	On-off grid switching cabinets, monitoring cabinets, energy storage converters, battery packs, power output devices, electric energy meters, current transformers, LCD panels, surge protectors, low-smoke halogen-free copper core cables, etc.

26 50 00		弱电智能化设备		
		1、信息设施系统		
		1.1 综合布线系统 (含信息点位布置、语音点位布置)	数据插座、语音插座、配线架。	1.1 Integrated wiring system (including information point layout, voice point layout)
		1.2 无线WIFI覆盖系统	无线AP、ONU设备	1.2 Wireless WIFI coverage system
		1.3 公共广播系统	消防和背景音乐共用	1.3 Public address system
		1.4 信息引导及发布系统	显示屏、解码器	1.4 Information Guidance and Release System
		1.5 无线对讲系统	无线对讲天线、耦合器	1.5 Wireless intercom system
		2、安全防范系统		
		2.1 视频安防监控系统	摄像机	video camera
		2.2 出入口管理系统	门禁	access control
		2.4 电子巡查系统系统	巡更点	patrol point
		2.5 火灾自动报警系统	感烟探测器、模块箱、手动报警按钮、消火栓按钮、声光报警器	Smoke detector, module box, manual alarm button, fire hydrant button, sound and light alarm
		3、建筑设备管理系统		
		3.1 远程抄表系统	解码器、水表、电表。	Decoder, water meter, electricity meter.
		3.2 建筑能效监管系统		3.2 Building Energy Efficiency Supervision System
		3.3 建筑设备管理系统	DDC控制器及相关传感器	3.3 Construction Equipment Management System
26 60 00		管材	SC焊接钢管, JDG套结紧定式钢管, 刚性防水套管	SC welded steel pipe, JDG sleeve tight steel pipe, rigid waterproof casing
32 00 00	Exterior Improvements	建筑外部提升 (景观和硬景观)		
32 10 00	Bases, Ballasts, and Paving	室外道路和地坪	透水混凝土, 砂基透水砖	Permeable concrete, sand-based permeable brick
		室外墙体	回收毛石挡墙, 回收混凝土 (从其他项目回收)	Recycled rubble retaining walls, recycled concrete (recycled from other projects)
		照明	路灯、草坪灯、氛围灯, 等, 规格已经给GIGA	Street lights, lawn lights, atmosphere lights, etc.
		栏杆	镀锌钢管(有重复)	Galvanized steel pipe (repeated)
32 80 00	Irrigation	灌溉	灌溉相关设备材料, 包括: ICV 阀门, 压力调节喷头, 滴灌管路, 空气/真空阀门, 自动冲洗阀门	Irrigation related equipment materials, including: ICV valves, pressure regulating sprinklers, drip irrigation lines, air/vacuum valves, automatic flushing valves