

**PROPOSED CONSTRUCTION OF "SAI BABA EDUCATIONAL CAMPUS" AT GAT NO. :
183, NIMGAON KORHALE, TAL. : RAHTA, DIST. : AHMEDNAGAR. FOR SHRI SAI
BABA SANSTHAN TRUST SHIRDI.**

Item No.	Particulars	Quantity	Unit	Rate	Amount
A]NON SSR ITEM FOR CIVIL WORK					
1	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:4 in 150mm brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter / 2 hoop iron strips 25 mm X 1.6 mm placed at every third course, properly bent and bonded at ends scaffolding, racking out joints and watering etc. complete.(150mm thk)				
	NON DSR				
	Basement Floor	466.73	Sq.M.		
	Ground Floor	3697.31	Sq.M.		
	First Floor	3052.60	Sq.M.		
	Second Floor	3259.84	Sq.M.		
	Third floor	2734.05	Sq.M.		
	Fourth floor	2734.05	Sq.M.		
	Fifth floor	2734.05	Sq.M.		
	AboveTerrace	116.38	Sq.M.		
2	Providing & Fixing Brick Cladding Work as per detail drawing & specification etc. complete.				
	NON DSR				
	Basement Floor	1925.83	Sq.M.		
	Ground Floor	6476.31	Sq.M.		
	First Floor	6289.61	Sq.M.		
	Second Floor	5492.55	Sq.M.		
	Third floor	4395.63	Sq.M.		
	Fourth floor	4395.63	Sq.M.		
	Fifth floor	4395.63	Sq.M.		
	AboveTerrace	5792.60	Sq.M.		
3	Providing & laying Water proof treatment to Sanitary blocks (India water proofing or alike) with B.B. Coba in all position with an average thickness of 200 mm consisting specialised materials as per the manufactures specifications and covering 10 years guarantee on court fee stamp paper including all lead, lift etc. complete				

Item No.	Particulars	Quantity	Unit	Rate	Amount
	NON DSR				
	Ground Floor	387.05	Sq.M.		
	First Floor	354.37	Sq.M.		
	Second Floor	354.37	Sq.M.		
	Third floor	354.37	Sq.M.		
	Fourth floor	276.17	Sq.M.		
	Fifth floor	276.17	Sq.M.		
4	Provide and fixing on site door frame in waterproof plywood 18mm and 12 mm thick and 1.5 mm thick on approved colour, make, brand,laminate top as per detailed design and drawings etc. complete.				
	NON DSR				
	Basement Floor 1	5.76	Sq.M.		
	Basement Floor 2	5.76	Sq.M.		
	Ground Floor	95.04	Sq.M.		
	First Floor	52.32	Sq.M.		
	Second Floor	39.36	Sq.M.		
	AboveTerrace	4.80	Sq.M.		
5	Providing and fixing on site door shutter in 32 mm thick waterproof flush door of approved quality and make 1.5 mm thick laminate of approved colour and make on one side and on another side to coats of oil paints of approved colour and shade including teakwood leaping, stainless steel fitting fixtures as per detailed design and drawing complete.				
	NON DSR				
	Basement Floor	11.52	Sq.M.		
	Ground Floor	507.60	Sq.M.		
	First Floor	433.92	Sq.M.		
	Second Floor	383.76	Sq.M.		
	Third floor	339.36	Sq.M.		
	Fourth floor	339.36	Sq.M.		
	Fifth floor	365.28	Sq.M.		
	Above Terrace	18.72	Sq.M.		

Item No.	Particulars	Quantity	Unit	Rate	Amount
6	Providing and fixing in position Fire Rated Metal door with pressed steel frame and shutter as per manufacturer's details and as mentioned in the drawings including fixing ironmongery etc of MPP System Schroders make. This includes providing and fixing brush steel finished iron mongery like Ball bearing Hinges, Mortise Locks, Handles, Push Plates, Bolts, Door Closer, etc. (Dorma/ Geze/ Ingersoll /Shakti rand make) as indicated in the detail drawings and all surfaces of doors shall be finished with 2 coats of Fire rating paint over a coat of primer to achieve the fire rating as indicated in the detail drawings.				
	Non DSR				
	Ground Floor	7.00	Sq.M.		
	First Floor	7.00	Sq.M.		
	Second Floor	7.00	Sq.M.		
	Third floor	5.00	Sq.M.		
	Fourth floor	5.00	Sq.M.		
	Fifth floor	5.00	Sq.M.		
	Above Terace	5.00	Sq.M.		

Item No.	Particulars	Quantity	Unit	Rate	Amount
7	Providing and fixing in position polycarbonate sheet roof as per detail design and drawing with minimum thickness of sheet as 2 mm of Lexan or any other approved make including making the joints waterproof with all labour and material and accessories to complete the work. (NON DSR)				
	Fifth Floor	2453.77	Sq.M.		
8	Providing & Fixing 200mm wide PVC Grating for Swimming Pool overflow gutter as per drawing etc. Completed	85.00	Rmt.		
B] NON SSR ITEM FOR PLUMBING WORK					
Pumping Machinery For Domestic water (UGT to OHT)					
1	Designing, Supplying, erecting and satisfactory commissioning of Tank Filling Pumping Machinery (hydrophenumatic system) including of vertical inline pumps, automatic motor control panel (VFD Base), vertically mounted Galvanized fabricated diaphragm type pressure vessel suitable capacity (min 100 lit), NRVs, Valves, Football Pressure gauge, connecting piping upto delivery point etc complete. Pump discharge for one pump 250 LPM, Pump head - 45 M, Pump Nos - 2 Working + 1 Stand By, Type of Pump - Vertical Inline Pump, Motor - 3 Phase, Nominal speed (rpm) - 2800 RPM, Insulation/protection class - F class/IP 55, Impeller - SS304, Pressure casing - SS304, Pump base - Cast Iron, Shaft - SS304	1	L.S		
	NON DSR Item - For Domestic Water Supply				

Item No.	Particulars	Quantity	Unit	Rate	Amount
	Pumping Machinery For BASEMENT PUMP				
2	<p>Designing, Supplying, erecting and satisfactory commissioning of Dewatering submersible pumping set Pumping Machinery including automatic motor control panel, NRVs, Valves, Football Pressure gauge, connecting piping upto delivery point etc complete.</p> <p>NON DSR Item - For BASEMENT SUMP PUMP</p> <p>Pump discharge for one pump 170 LPM</p> <p>Pump head - 10 M</p> <p>Pump Nos - 1 Working + 1 Stand By</p> <p>Type of Pump - Vertical Inline Pump</p> <p>Motor - 3 Phase</p> <p>Nominal speed (rpm) - 2800 RPM</p> <p>Insulation/protection class - F class/IP 55</p> <p>Impeller - SS304</p> <p>Pressure casing - SS304</p> <p>Pump base - Cast Iron</p> <p>Shaft - SS304</p> <p>Solid handling cap - 40mm</p>	5	L.S		
	Pumping Machinery For Flushing water (STP to OHT)				
3	<p>Designing, Supplying, erecting and satisfactory commissioning of Tank Filling Pumping Machinery (hydrophenumatic system) including of vertical inline pumps, automatic motor control panel (VFD Base), vertically mounted Galvanized fabricated diaphragm type pressure vessel suitable capacity (min 100 lit), NRVs, Valves, Football Pressure gauge, connecting piping upto delivery point etc complete.</p> <p>NON DSR Item - For Flushing Water Supply</p> <p>Pump discharge for one pump 250 LPM</p> <p>Pump head - 45 M</p> <p>Pump Nos - 2 Working + 1 Stand By</p> <p>Type of Pump - Vertical Inline Pump</p> <p>Motor - 3 Phase</p> <p>Nominal speed (rpm) - 2800 RPM</p>	1	L.S		

Item No.	Particulars	Quantity	Unit	Rate	Amount
	Insulation/protection class - F class/IP 55				
	Impeller - SS304				
	Pressure casing - SS304				
	Pump base - Cast Iron				
	Shaft - SS304				
4	Providing and fixing on walls/ ceiling / floors, ISI mark of below diameter ASTM UPVC SCHEDULE 80 pipes with screwed sockets & brackets, joints and necessary fittings such as socket's back nuts, elbows, bends, tees, reducers, plugs, clamps etc. including necessary drilling holes in walls, slabs, beam etc. and remaking good the demolished portion to restore the same in original condition neatly, testing etc. complete. (Prior approval of sample and brand by Executive Engineer is necessary before use). NON DSR				
a	32 mm dia	140.00	RMT		
b	40 mm dia	48.00	RMT		
c	50 mm dia	490.00	RMT		
d	65 mm dia	220.00	RMT		
e	80 mm dia	400.00	RMT		
f	100 mm dia	48.00	RMT		
5	Providing and fixing of below dia PVC Ball Valve of approved make including necessary sockets / unions, nut, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use) NON DSR				
a	20 mm dia	10.00	Nos		
b	25 mm dia	13.00	Nos		
c	32 mm dia	15.00	Nos		
d	40 mm dia	29.00	Nos		
e	50 mm dia	50.00	Nos		
f	65 mm dia	8.00	Nos		
g	80 mm dia	1.00	Nos		
h	100 mm dia	2.00	Nos		

Item No.	Particulars	Quantity	Unit	Rate	Amount
6	Providing and fixing on walls/ ceiling / floors, ISI mark of below diameter ASTM UPVC SCHEDULE 40 pipes with screwed sockets & brackets, joints and necessary fittings such as socket's back nuts, elbows, bends, tees, reducers, plugs, clamps etc. including necessary drilling holes in walls, slabs, beam etc. and remaking good the demolished portion to restore the same in original condition neatly, testing etc. complete. (Prior approval of sample and brand by Executive Engineer is necessary before use).				
	NON DSR ITEM				
a	20 mm dia	72.0	RMT		
b	25 mm dia	114.0	RMT		
c	32 mm dia	72.0	RMT		
d	40 mm dia	1148.0	RMT		
e	50 mm dia	236.0	RMT		
f	65 mm dia	174.0	RMT		
C] NON SSR ITEM FOR PUMPHOUSE EQUIPMENTS					
1	Supplying installing, testing & commissioning of Control Panel + cabling in the pumphosue including necessary electrical item as per specification	1.00	No.		
D] NON SSR ITEM OF ELECTRICAL WORKS					
	LT Panel				
	Design, Fabrication, inspection at factory, supply, installation at site, testing and commissioning of medium voltage (415 volts), 3 Ph. & neutral, 50 Hz AC supply, cubicle panel, of 14/16 SWG MS CRCA sheet 40x40x5mm thick angle iron frame work as per required design .(Aluminium Bus bar suitable for 600Amp /Sq.inch)				
	Main PCC Panel (Locn.-DTC)				
	Incomer :-				
	1000A, 4P, EDO,ACB, MF 50KA with Microprocessor based , LSING, Shunt + Aux. contact block : 2 Set				
	160A TP MCCB with TVSS Class B : 2 Nos.				
	35 Kvar fixed type capacitor bank with incomer isolator MCCB of 63A TP+NL 25 KA : 1 Set				

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	Indicating lamps R/Y/B : 2 set	1	Each		
	ON, OFF, TRIP indicating lamps with Red, Green, Amber - LED Type : 2 Sets				
	Load Manager with RS485 Port and CT's. : 2 Set				
	1250 A TPN Aluminium Busbar , 50KA for 1 Sec : 1 Set				
	1000-5 A CT for RTPFC Relay : 1 Set				
	Outgoings :-				
	315A 4P MCCB 50KA LSING Protection - 4 Set				
	200A 4P MCCB 50KA LSING Protection - 1 Set				
	630A TP MCCB 50KA LSING Protection - 1 Set				
	For all outgoing feeders : ON, OFF, TRIP indicating lamps with Red, Green, Amber - LED Type				
2	DG SYNCRO PANEL LOC:- TR YARD	1	SET		
	Incoming:-				
	500Amp,50kA TPN MCCB with Microprocessor Release O/C,S/C,E/F and Load Manager without RS 485 - 2 Nos.				
	Three Nos. Phase Indicating Lamps, Control fuses – 1 Set				
	Voltmeter with selector switch - 1 Set				
	Ammeter with selector switch - 1 Set				
	Load Manager - 1 Set				
	Transient Voltage Surge protector 25kA Class B+C-1No				
	200Amps TPN Copper Busbar 70kA for 1 sec. - 1 Set.				
	Outgoing –				
	1000A,4P,MDO,ACB, MF,50KA with Microprocessor based , LSING, Shunt + Aux. contact block : 2 Set				
	RTPFC PANEL 12 STAGE ,300 KVAR(0.75 TO 0.95) (Locn. Substation Room)				
	Incomer :-				
	800A,4P,EDO,ACB, MF,50KA with Microprocessor based , LSING, Shunt + Aux. contact block : 1 Set				
	800-5 A CT for RTPFC Relay : 1 Set				
	Auto / Manual Switch for Panel Operation with RTPFC Relay : 1 Set				
	Indicating lamps R/Y/B : 1 set				
	ON, OFF, TRIP indicating lamps with Red, Green, Amber - LED Type : 1 Set				
	Ammeter & Voltmeter with Selector Switch & CT's: 1 Set				

Item No.	Particulars	Quantity	Unit	Rate	Amount
	Outgoings :-				
	· 125A TP HRC FUSE :- 01 Set				
	· 63A TP HRC FUSE :- 8 Set				
	· 40A TP HRC FUSE :- 1 Set				
	· 32A TP HRC FUSE :- 2 Set				
	· 16A TP HRC FUSE :- 2 Set				
	· 63A TP HRC FUSE :- 2 Set (Space Provision)				

Item No.	Particulars	Quantity	Unit	Rate	Amount
3	· 5 KVAR Capcitor Duty Power Contactor : 2 Nos.	1	SET		
	· 10 KVAR Capcitor Duty Power Contactor : 2 Nos.				
	· 20 KVAR Capcitor Duty Power Contactor : 1 Nos.				
	· 25 KVAR Capcitor Duty Power Contactor : 8 Nos.				
	· 50 KVAR Capcitor Duty Power Contactor : 1 Nos.				
	· 25 KVAR Capcitor Duty Power Contactor : 2 Nos. (Space Provision)				
	· 05 Kvar 440V AC MPP type Capacitor :- 02 Nos				
	· 10 Kvar 440V AC MPP type Capacitor :- 02 Nos				
	· 20 Kvar 440V AC MPP type Capacitor :- 01 Nos				
	· 25 Kvar 440V AC MPP type Capacitor :- 08 Nos				
	· 50 Kvar 440V AC MPP type Capacitor :- 01 Nos				
	· 25 Kvar 440V AC MPP type Capacitor :- 02 Nos (Space Provision)				
	· 05 Kvar 440V AC Detuned reactor 7% detuned :- 02 Nos				
	· 10 Kvar 440V AC Detuned reactor 7% detuned :- 02 Nos				
	· 20 Kvar 440V AC Detuned reactor 7% detuned :- 01 Nos				
	· 25 Kvar 440V AC Detuned reactor 7% detuned :- 08 Nos				
	· 50 Kvar 440V AC Detuned reactor 7% detuned :- 01 Nos				
	· 25 Kvar 440V AC Detuned reactor 7% detuned :- 02 Nos (Space Provision)				
	Push Button Luminous Green with Element :- 16 Nos .				
	Push Button Luminous Red with Element :- 16 Nos .				
	· Selector Switch : 13 Nos.				
	· SMPS , 12V , DC, 30A : 1 Nos.				
	· Door light limit switches , hardware , PVC channels , Steel Locks, Epoxy Supports , Ventilation Fans, Auxillary Contactors , etc.				
	For all outgoing feeders required : STOP, RESET, ON, OFF arrangements.				
	For detail specification refer power schematic (SLD).				

Item No.	Particulars	Quantity	Unit	Rate	Amount
4	Changeover Panel.	2	SET		
	Incomer:				
	63A 4P MCB C TYPE : 2 Set				
	63A ,4P,Auto Changeover System AC1 duty Contactor 4 Pole ,with manual override : 1 Set				
	R,Y,B indicatin lamp : 2 Set				
	Voltmeter (0- 500V) :-2 Set				
	80A Cupper. Busbar 25KA for 1 Sec :- 1Set				
	Outgoing:-				
	63A 4P MCB C TYPE : 1 Set				
5	Feeder Piller	3	SET		
	Incoming:-				
	315A 4P MCCB 36KA LSING Protection - 1 Set				
	O/L,S/C,E/F protection.				
	Outgoing:-				
	40 Amp, 4P,10KA MCB : 20 Set.				
	63 Amp, 4P,10KA MCB : 2 Set.				
6	6Way Feeder Piller	2			
	Incoming:-				
	315A 4P MCCB 36KA LSING Protection - 1 Set				
	O/L,S/C,E/F protection.				
	Outgoing:-				
	63Amp, 4P,10KA MCB : 6 Set.				
	40 Amp, 4P,10KA MCB : 0 Set.				
7	FOR BUILDING PARKING,STREET LIGHT	5	SET		
	Fabricated DB : Common Area Ligting DB + Timer Controller , Double door complete with lugs, MCB's, ELCB's, etc., as per following details :-				
	Incomer :				
	1. 40 A 4P MCB,7.5/10 KA: 1 No.				
	2. 40 A 2P ELCB, 30mA : 3 No.				
	3. Timer Switch with Manual Override Switch : 2 Nos.				
	4. 10A 2P AC1 Duty Contactor : 3 Nos.				
	5. 10A DP MCB ' C ' Characteristic , 7.5/10 KA : 3 Nos.				
	Outgoing :				
	6/10/16/20A SP MCB ' C ' Characteristic , 7.5/10 KA : 18 Nos.				
8	Providing of 1.1KV stranded aluminum conductor FRLS insulated conductor, flat steel wires armoring of following sizes.	1	Nos		
9	4 C x 2.5 sq mm Cu armoured cable	35	Mtr.		
10	12 C x 1.5 sq mm Cu armoured screened cable	30	Mtr.		

Item No.	Particulars	Quantity	Unit	Rate	Amount
11	Termination of cables with Double compression Brass cable gland and with crimping type copper lugs suitable for aluminum conductor cable with consumable such as tape, hard ware.	10	Mtr.		
12	4 C x 2.5 sq mm Cu armoured cable	2	Nos		
13	12 C x 1.5 sq mm Cu armoured screened cable	4	Nos		
14	Providing Structural fabrication for Cable Tray supports made out of 40 x 40 x 3mm angle, plate, Anchor fasteners etc in wall/ceiling including supply of steel, cutting, welding, drilling, erecting at site including consumables like welding rods, gas drill bits etc. Job also includes for minor civil work, duly Painted with two coats of Red oxide and two coats of Synthetic namel paint of grade 631.	75	Kg		
15	Supplying & installing Co-axial cable low voltage grade RG-6	1600	m		
16	Supplying Erecting testing and commissioning Multi Dwelling unit , direct to Home antenna system for TV , comprising of following items 1) Installation of Dish antenna (120 CM diameter) for building- 1 No 2) vertical cabling in the communication(LV) shaft,of the building3) supplying and fixing of Enclosure boxes (Height;45 cms, breadth 30 cms depth 9 cms approx, which includes associated components like 4 X 8 switches,Tap off and connectors on every floor in the LV shaft of building 4) supplying and fixing of amplifiers with 230 v ,5A power supply arrangement , with enclosure box ,Height 30 Cms,breadth 35 cms Depth 11 cms approx on top floor for G+7 storey building in the LV shaft of building .	4	Lot		
17	Supply and Erection of LED Tube light of 20 watt Retro LED LTT8-20	3100	Each		
18	15 W LED Downlighter Recessed Mounted.(HLR2317 Hybec 15W)	940	Each		
	Total Amount Rs.:				