Bill of Quantities (BOQ)

B.P Smriti Bhawan Nirman Tinpatan-11

IFB No.: 801032505/TRM/W/NCB/01/2083/084

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Preparation of as built Architectural(all plans and elevations,structural,Electrical and sanitary drawing as per instruction all complete.	Ps	1.00	15,000.00 Fifteen thousand rupees only.	15,000.00 Fifteen thousand rupees only.
PS.2	Carrying out diferrent laboratory tests of construction material like cement, reinforcements, bricks, sand, aggregate, concrete cubes etc. during construction work as per specification and direction, preparing reports and submissions all complete.	Ps	1.00	70,000.00 Seventy thousand rupees only.	70,000.00 Seventy thousand rupees only.
PS.3	Insurance for the loss of Damage to work, plant and materials, equipment, Properties, Personnel injury or Death including third party insurance as described in the condititons of contract.(Also it should cover for risks like Riot,Strike, Damage,Malicious damage).	Ps	1.00	90,000.00 Ninety thousand rupees only.	90,000.00 Ninety thousand rupees only.
PS.4	Provide and installation of project information board of size 1.80 mx1.2 m along with iron posts including excavation, concreting, backfilling etc all complete as instructed by the Engineer.	Ps	1.00	5,000.00 Five thousand rupees only.	5,000.00 Five thousand rupees only.
	Total provisional sums				1,80,000.00 One lakh eighty thousand rupees only.

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.1	Preparation of site including levelling ground , cutting trees, removing away bushes, remains of old building like concrete by chipping, removing loose earth, soil and brick- bats etc. along with preparation of ground level and site level plan, amd setting out as	Sq.m	369.18			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
	per drawing, specification and instruction of the engineer, all complete.					
1.2	Earth work in excavation in foundation in all types of soil up to the specified depth including timbering, shoring, dressing of sides, ramming of bottom dewatering in foundation if required, lifting the soil minimum 3m and stakcing the soil minimum 1m and lead upto 30m as per drawing and specifications and instructions all complete work(By mannual means)	Cu.m	101.6355			
1.3	Filling with earth or mixed soil stacked at site in 150mm thick layer under floor and at foundation covered area including watering, ramming, consolidation and dressing as per drawing, specifications and instruction of site engineer all complete.	Cu.m	19.2542			
1.4	150 mm thick Rubble Stone solling and levelling in foundation including providing stone and transportation.	Cu.m.	13.4631			
1.5	Providing and laying of PCC (1:3:6) M10 Works in foundation in perfect line and level with necessary compaction and curing all complete as per design, drawing, specification and satisfaction to site engineer.	Cu.m	20.8494			
1.6	Providing and laying of PCC for RCC Works (1:2:4) M15 for boundary wall(Footing,beam and column),septic tank,etc in perfect line and level with proper compaction and curing at least 15 days including supply of materials all complete as per design, drawing, specification and satisfaction to site engineer.	Cu.m	19.5365			
1.7	Providing and laying M 20 grade Design Mix cement concrete conforming to IS:456 & IS 10262 latest revision for reinforced concrete works with approved coarse sand and graded hard stone aggregate of 20mm nominal size in superstructure/substructure at any level above finished floor level, any shape, position or thickness etc to achieve required slump in concrete all complete as per specification, drawing and instruction of Engineer-in-charge for the following.	Cu.m	48.0994			

Construction work
CPV: 45000000-7 - Construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.8	Providing Reinforcement bars (Grade Fe 415 or above) work including straightening, cleaning, cutting, bending, binding with 20 SWG annealed wire & fixing in position as per design drawing, bar bending schedule for raft foundation,piles,column, beam, wall, stair, slab in all RCC works as per specification, drawing & instruction of site Engineer. Approved brand : Himal Iron, Panchakanya or Equivalent.	M.T	9.1943			
1.9	Centering and shuttering with approved 19mm waterproofing plywood for all R.C.C. COLUMN works of any shape size and at any level with necessary mild steel propping, scaffolding, staging supporting. Cutting holes for utilization works and removal of formwork and lead upto 30 m etc all complete as per instruction, specification and drawing..	Sq.m	177.1551			
1.10	Centering and shuttering with approved 19mm waterproofing plywood for all R.C.C. BEAM works, Bands of any shape size and at any level with necessary mild steel propping, scaffolding, staging supporting. Cutting holes for utilization works and removal of formwork and lead upto 30 m etc all complete as per instruction, specification and drawing.	Sq.m	147.5435			
1.11	Centering and shuttering with approved 19mm waterproofing plywood for all R.C.C. SLAB work of any shape size and at any level with necessary mild steel propping, scaffolding, staging supporting. Cutting holes for utilization works and removal of formwork and lead upto 30 m etc all complete as per instruction, specification and drawing.	Sq.m	302.652			
1.12	Brick masonry work in (1:4) cement, sand mortar with approved quality first class chimney made bricks in perfect line and level including wetting the bricks, packing the joints and curing, with necessary scafolding work, including supplying of all materials, labour, lead and lift, Work all complete as per design, drawing, specification and approval of site Engineer.	Cu.m	98.0234			
1.13	Rubble masonary works in 1:6 Cement mortar including providing providing block stone, transportation.	Cu.m	19.9241			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.14	Providing and laying 12.5mm thick plaster upto required line and perfect smooth level in 1:3 cement sand mortar on ceiling surface including necessary scaffolding, cleaning & wetting the surface and proper curing for 15 days as per drawing, specification and instruction all complete.	Sq.m	399.864			
1.15	Providing and laying 12.5mm thick plaster upto required line and perfect smooth level as per site condition in 1:4 cement sand mortar on wall surface including necessary scaffolding , cleaning & wetting the surface, packing of joints and proper curing for 15 days as per drawing, specification and instruction all complete.	Sq.m	1,202.7586			
1.16	20 mm thick Rain Water Groov (Pani Patti) in cement sand mortar (1:3)	R.m	128.00			
1.17	Providing & painting two coats of Ready made plastic emulsion paint with one coat of cement primer of approved brand and colour over putinned surfaces of building, walls ceiling and passage area as per specifications and instruction of the site engineer.	Sq.m	962.499			
1.18	Two coat of weather coat paint over one coat of primer on Exterior Face including supply of materials, preparation of surface in perfect line and level as per design, drawing, specification and satisfaction of site engineer.	Sq.m	640.1236			
1.19	50mm Screeding Works (1:2:4) for flooring including 1:3 punning works in perfect line and level with proper compaction and curing at least 15days including supply of materials all complete as per design, drawing, specification and satisfaction to site engineer.	Sq.m	463.33			
1.20	Supplying and fixing of Porcelain non skid floor tile of approved color and size in perfect line and level including sealing of joint with disinfectant all complete as per design drawing, specification and satisfaction of site engineer.(Kazarai, Somany or equi)	Sq.m	24.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.21	Supplying and fixing of Porcelain glazed ceramic wall tile of approved color and size as per instruction" in perfect line and level including sealing of joint with disinfectant all complete as per design drawing, specification and instruction of site engineer. (Kazarai , somany or equivalent)	Sq.m	78.00			
1.22	Providing and fitting stainless steel pipe railling in verandah and staircase with 50 mm dia stainless steel pipe handrail 2 row 25 mm dia stainless steel pipe in between handrail and floor and 50 mm dia stainless stell pipe for vertical post including welding, cutting, drilling, fixing, joining, tighening, polishing as per specification and instruction of Engineer-in-charge all complete	R.m	24.00			
1.23	Supplying & fixing of spiral staircase with 4"-6" dia. black pipe post medium class, 20mm square pipe railing , 32mm handrail, width of staircase 90cm including red oxide primer coat,Enamel paint and necessary fittings all coplete	R.m	3.00			
1.24	Swing door: Providing and fixing of UPVC swing door with 60mm x 60mm white colored frame fitted with 5mm thick tinted float glass as per the design and instruction of engineer.	Sq.m	27.825			
1.25	Sliding Window : Providing and fixing of UPVC sliding door (without fly mesh) with white colored frame of size 60 x 60mm sash 66 x 42mm, fitted with 5mm thick tinted float glass as per the design and instruction of engineer.	Sq.m	78.765			
1.26	Supplying, making and fitting Sal wood work for Door choukosh size of choukosh 75 mm x 100mm) including two coat readymade enamel paint over one coat primer all complete, the timber shall be matured,free from wraps. Knots holes and other defects	Cum	0.1464			
1.27	Providing making double leaf sal wood Panelled door shutter with 38 mm thick sal wood frame including all necessary hardware fitting all complete. (size 1.07m x 1.982m = 2.114 sq.m.)including two coat readymade enamel paint over one coat primer all complete	Sq.m	10.35			

Construction work
CPV: 45000000-7 - Construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.28	Supplying, fabricating and erection in position structural steel works in columns, beams,portals, runners,roof structural elements,trusses, purlins,bracings, platforms, decking,railings,ladders,stairs,hamgers etc.	K.g.	1,957.657			
1.29	Supplying and fixing of 16 gauge MS Sheet on MS (50*50*5mm) square frame sections for preparation of side rolling gate as per the design and instruction of engineer and providing two coat readymade enamel paint over one coat primer all complete	Sq.m	8.5344			
1.30	Supplying , Fabrication and installation of 50 mm diameter black iron pipe posts at 4 meter spacing (Maximum), featuring a 25 x 25 x 4 mm angle iron frame with 7 mm diameter iron rod diagonal mesh (62 x 62 mm mesh size), topped with a 0.15 m high flat iron bar (3 x 20 mm) grill,including two coat readymade enamel paint over one coat primer as per design, instruction of engineer all associated works.	Sq.m	39.96			
1.31	Roof covering with 0.40 mmBase Metal Thickness, Color G.I. Sheet including supplying of material, J or L hooks, nut bolts, washers, fixing of C.G.I sheet over roofing members in proper slope and size (21.95 Rm=1 Bundle=16.46 Sqm)	Sq.m.	131.10			
1.32	Supplying and fitting 0.35mm C.G.I. sheet Gutter	R.m.	25.10			
1.33	Ridge covering with 0.41mm thick color Plain Sheet including supplying of material, J or L hooks, nut bolts, washers, fixing of G.I sheet over roofing members in proper slope and size (21.95 Rm=1 Bundle)	R.m.	12.55			

Electrical machinery, apparatus, equipment and consumables; lighting
CPV: 31000000-6 - Electrical machinery, apparatus, equipment and consumables; lighting

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
2.1	Supply, installation and commissiong of Main Distribution board, Power panels Pad / wall mounting type dust and vermin proof made	Set	1.00			

Electrical machinery, apparatus, equipment and consumables; lighting CPV: 31000000-6 - Electrical machinery, apparatus, equipment and consumables; lighting						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
	of 16 SWG ms sheet cubical with powder coated paint with double cover and locking arrangement as per drawing and specification with followings:60/75/100 Amp 9''*48''*60'' size Panel Board,Idication LED Light, 1 No of 200A TP MCCB,4 No of 100A TP MCB,2 No of 63A TP MCB,60/100 amp C.T. coil per set 3 pcs,0-500 Voltmeter,60/100 amp Electronic Digital Ammeter,Cement,mortar for installation with brick wall and redoing the chisselled area,Cable glands for incoming and outgoing cables all complete.					
2.2	Supply, installation and commissiong of Distribution board, wall mounting concealed type dust and vermin proof made of 16 SWG ms sheet cubical with with powder coated paint with double cover and locking arrangement as per drawing and specification with followings:6 Way DB Double Cover Vertical,1 No of 63A TP MCB ,6 No of 6A SP MCB, 12 No of 16A SP MCB.	Set	1.00			
2.3	Supply, installation and commissiong of Distribution board, wall mounting concealed type dust and vermin proof made of 16 SWG ms sheet cubical with with powder coated paint with double cover and locking arrangement as per drawing and specification with followings:4 Way DB Double Cover Vertical,1 No of 63A TP MCB ,3 No of 6A SP MCB, 9 No of 16A SP MCB.	Set	2.00			
2.4	Supply, installation testing and commissiong of light point wiring using 2x2.5 sq mm multi stranded PVC insulated copper conductor flexible cables 1100 volts grade wires drawn through pre - installed 20 mm dia heavy duty HDPE rigid Conduit as a cable sleeve concealed in wall, ceiling and floor including all fixing and connecting materials. The rate for point wiring shall include the circuit wiring from deginated Distribution Board (DB) upto the first light point. (No cable jointing is allowed except switch and fixture) The cost shall be including HDPE Conduit , modular formation control switches in multi modular plate flushed in required size of GI box,GI fish wire,cutting and filling chases for recessed pipe as deemed as per drawing and lay out plan all complete. Modular switches shall be Indoasian/Havells. Cable : prima/ Finolex/ Premier Cable . Light/Fan Point (Average length 11 meter)	Point	62.00			

Electrical machinery, apparatus, equipment and consumables; lighting CPV: 31000000-6 - Electrical machinery, apparatus, equipment and consumables; lighting						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
2.5	Supply, installation testing and commissiong of power point using 2x4 Sq mm + 1x1.5 Sq mm multi stranded PVC insulated industrial grade copper conductor flexible cables 1100 volts grade drawn through pre installed 20 mm dia. heavy duty HDPE rigid conduit but including specified dia. conduit concealed in wall and floor including all fixing and connecting materials.The rate for point wiring shall include the circuit wiring from degignated Distribution Box (DB) upto the first power point then the looping between the sockets.The cost shall excluding modular formation switch sockets and their flushing GI box but including GI fish wire ,cutting and filling chases for recessed pipes as deemed as per drawing and lay out plan all complete.General Socket Power Point wiring.	Point	27.00			
2.6	Supply, installation, interconnection, testing and commissioning of following types of modular formation flush mounted both in wall and floor cubical switch socket including GI/PVC box for all wall mounted sockets in specified location and height all complete. (Note: Havells/Indoasian modular switch socket shall be used). 6A /16A universal Switch/Power Socket.	Set	27.00			
2.7	Supply and installation of light fixtures all complete with tube, bulb, control gear, capacitors as per drawing and specification inluding the cost of fixing accessories Downlight round 18W 3000K/6500K	Set	37.00			
2.8	Supply and installation of light fixtures all complete with tube, bulb, control gear, capacitors as per drawing and specification inluding the cost of fixing accessories.Downlight round 6W 3000K/6500K	Set	9.00			
2.9	Supply and installation of 56" Ceiling Fan Almonard, Bajaj or equivalent including fan regulator(Dimmer)	Set	16.00			
2.10	Supply and installation one gang one way switch	Set	7.00			
2.11	Supply and installation two gang one way switch	Set	6.00			
2.12	Supply and installation three gang one way switch	Set	6.00			

Electrical machinery, apparatus, equipment and consumables; lighting
CPV: 31000000-6 - Electrical machinery, apparatus, equipment and consumables; lighting

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
2.13	Supply and installation four gang one way switch	Set	6.00			
2.14	Supply and installation five gang one way switch	Set	6.00			
2.15	Supply and installation Six gang one way switch	Set	3.00			
2.21	Supply and installation DP Switch	Set	2.00			
2.22	Supply and installation of earthing electrode made of 25 mm dia copper coated 2m long GI rod eletrode burried vertically 1 m below the ground level and the rod covered by soil resistivity reducing compound as per drawing and specification and complete with connection to system with 10 SWG bare copper wire Copper Plate Earthing Set	Set	1.00			

Sewage, refuse, cleaning and environmental services
CPV: 90000000-7 - Sewage, refuse, cleaning and environmental services

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
3.1	Providing and fixing in position of all work items with all necessary fittings complete with testing and ready for operation as per drawings, specifications, manufacturer's recommendations and instructions. The rate shall include for position marking, maintain line, level or grade wherever required, sand filling/compaction, earth cutting and backfilling, cutting, chasing of walls, plasters or tiles etc. and making good and touching up to restore to original conditions wherever instructed-580 mm IPWC with 10 liter low level PVC cistern (Indian pan) complete set.	Set	6.00			

Sewage, refuse, cleaning and environmental services CPV: 90000000-7 - Sewage, refuse, cleaning and environmental services						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
3.2	Providing and fixing in position of all work items with all necessary fittings complete with testing and ready for operation as per drawings, specifications, manufacturer's recommendations and instructions. The rate shall include for position marking, maintain line, level or grade wherever required, sand filling/compaction, earth cutting and backfilling, cutting, chasing of walls, plasters or tiles etc. and making good and touching up to restore to original conditions wherever instructed and applicable for any of the items below.-White glazed earthernware wall-hung Hand wash basin 500x400mm with 15 mm CP/PVC connectors with both ends couplings, 32mm PVC bottle trap, waste coupling with testing and ready for operation	Set	6.00			
3.3	Supply and fixing Sink Stainless Steel 37" long 8" deep with sink cock all complete set.	Set	6.00			
3.4	Supply and fixing CP Soap Dish polyurethane	No.	6.00			
3.5	Supply and fixing 15mm CP Bib Cock	No.	6.00			
3.6	Supply and fixing15mm C.P.Concealed Stop Cock	No.	6.00			
3.7	Supply and fixing15mm CP Angle valve	No.	6.00			
3.8	Supply and fixing Looking Mirror Modi guard 450x600mm (18"x 24")	No.	6.00			
3.9	Supply and fixing PVC floor trap 110x75mm with CP grating cover	No.	6.00			
3.10	Supply and fixing C P Grating 110mm (4") dia	No.	6.00			
3.11	Supply and fixing C P towel rod 24" size Heavy	No.	6.00			

Sewage, refuse, cleaning and environmental services
CPV: 90000000-7 - Sewage, refuse, cleaning and environmental services

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
3.12	32 mm CPVC pipes SDR-11 including MS clamps and brackets, nails and hooks, and all necessary CPVC/Brass specials required for complete installation, cutting, jointing, sealing of joints etc, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately	Rm	20.00			
3.13	25 mm CPVC pipes SDR-11 including MS clamps and brackets, nails and hooks, and all necessary CPVC/Brass specials required for complete installation, cutting, jointing, sealing of joints etc, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately.	Rm	35.00			
3.14	15 mm CPVC pipes SDR-11 including MS clamps and brackets, nails and hooks, and all necessary CPVC/Brass specials required for complete installation, cutting, jointing, sealing of joints etc, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately.	Rm	75.00			
3.15	Supply and fixing 32 mm CPVC Ball Valve, CTS sockets	No.	4.00			
3.16	Supply and fixing 25 mm CPVC Ball Valve, CTS sockets	No.	4.00			
3.17	Supply and fixing 15 mm CPVC Ball Valve, CTS sockets	No.	4.00			

Sewage, refuse, cleaning and environmental services
CPV: 90000000-7 - Sewage, refuse, cleaning and environmental services

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
3.18	Supply and fixing of 2000 litres capacity Panchakanya or equivalent brand HDPE(NS 353) vertical water storage tank complete with inter-connection, overflow, washout and vents	No.	2.00			
3.19	Supply and fixing 2 H P Electric motor pump (super suction) with base plate nuts, bolts etc.set	Set	1.00			
3.20	PVC SWR (Soil, Waste, Rain) pipes with all necessary ring gaskets, PVC fittings,UPVC Bend Specials, including MS clamps, hangers, cutting, jointing, sealing, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct or hung to ceilings as per drawings, specifications, manufacturer's recommendations, instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately.110 mm dia UPVC Pipe 6 kg/cm2.	Rm	30.00			
3.21	PVC SWR (Soil, Waste, Rain) pipes with all necessary ring gaskets, PVC fittings,UPVC Bend Specials, including MS clamps, hangers, cutting, jointing, sealing, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct or hung to ceilings as per drawings, specifications, manufacturer's recommendations, instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately.75 mm dia UPVC Pipe 6 kg/cm2.	Rm	30.00			
3.22	Supply and installation of 25mm dia. HDPE Pipe (PN16)	Rm	50.00			
3.23	Supply and installation 110mm dia. HDPE Pipe (PN10)	Rm	20.00			

Total Item Price	
VAT (13.00%)	
Grand Total	