

Name of Work :- Work of Infrastructure Development includes Extension of shed, refurbishment and up-gradation with fire fighting & cctv surveillance at Stone Artisan Park for SAPTI located at Ambaji, Village - Kumbhariya, Tal : Danta, Dist - Banaskantha, Gujarat

Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
1	Excavation for foundation in Any kind of soil incl. RCC or asphalted surface 0 to 1.50 mt depth incl. dewatering if required at cost and risk of agency including all labour, tools, mechanical tools etc. & shoring, strutting, making the bottom level and sides in plumb incl. watering, raming and consolidating the bottom etc. incl. removing the surplus stuff if any within all lead and lift using the selected stuff for back filling to foundation, (Test of Soil for back filling is agency scope) in side trenches and plinth in layers of 20 cms. th. with watering, consolidating etc. comp. as directed by Engineer Incharge.	991.00	Cu.Mt.	0.00	0.00
2	Excavation for foundation in Any kind of soil 1.5 to 3.00 mt depth incl. dewatering if required at cost and risk of agency including all labour, tools, mechanical tools etc. & shoring, strutting, making the bottom level and sides in plumb incl. watering, raming and consolidating the bottom etc. incl. removing the surplus stuff if any within all lead and lift using the selected stuff for back filling to foundation, (Test of Soil for back filling is agency scope) in side trenches and plinth in layers of 20 cms. th. with watering, consolidating etc. comp. as directed by Engineer Incharge.	179.00	Cu.Mt.	0.00	0.00
3	Excavation for foundation in Any kind of soil 3.0 to 5.00 mt depth incl. dewatering if required at cost and risk of agency including all labour, tools, mechanical tools etc. & shoring, strutting, making the bottom level and sides in plumb incl. watering, raming and consolidating the bottom etc. incl. removing the surplus stuff if any within all lead and lift using the selected stuff for back filling to foundation, (Test of Soil for back filling is agency scope) in side trenches and plinth in layers of 20 cms. th. with watering, consolidating etc. comp. as directed by Engineer Incharge.	35.00	Cu.Mt.	0.00	0.00
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each deposited layer by ramming and watering.	692.00	Cu.Mt.	0.00	0.00
5	Filling in Plinth with sand under floors (brought from outside including any lead and lift, loading and unloading, spreading) including watering, ramming, consolidating etc. complete	55.00	Cu.Mt.	0.00	0.00
6	Filling in Foundation and plinth with Murram or selected soil (brought from outside including any lead and lift, loading and unloading, spreading of soil) in layers of 20cm. Thickness including watering, ramming and consolidating etc. complete as per directed by Engineer-in-charge	350.00	Cu.Mt.	0.00	0.00
7	Disposal of Remaining Excavated Earth after filling in foundations and plinth as per direction of Engineer-in-charge including loading from site and unloading at disposal site etc. complete. Lead up to 5.00 km	413.00	Cu.Mt.	0.00	0.00
8	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlor dane and Chiorpurfiles 20 EC. As Per 6131_Part-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 litre give 1% concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	360.00	Sq.Mt.	0.00	0.00
9	Providing and laying cement concrete 1:3:6 (1-Cement : 3-Coarse sand : 6-Hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of form-work in (A) Foundation and Plinth	45.00	Cu.Mt.	0.00	0.00
10	Providing material and labour for laying cement concrete 1:4:8 (1-Cement : 4-coarse sand : 8-hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of form-work in (A) Foundation and Plinth	9.00	Cu.Mt.	0.00	0.00
11	Providing and laying Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregates 20 mm. nominal size) and curing complete excluding cost of from work in foundation , plinth, Foundation	80.00	Cu.Mt.	0.00	0.00
12	Providing Material and labour for laying in position M-300 Grade concrete & Construction of Reinforced, dowel jointed, Plain cement concrete pavement over a prepared sub base with concrete Grade M30 , course and fine aggregate conforming to IS 383, maximum size of course aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, spread, compacted and finished in a continous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing ti lines and grades as per drawing. The cost of centering and form work is included with new steel/ plywood shuttering, ,propping etc. and the cost of its removal will have to be borne along with all leads and lifts.The cost of Reinforcement steel will have to be calculated separately, which will be measured and Paid separately. The Entire work will have to be completed as per Directed by Engineer in- charge.	142.00	Cu.Mt.	0.00	0.00
13	Providing Material and labour for laying in position controlled cement concrete M.250 Grade concrete for reinforced cement concrete work using cement content as per approved batched and machine mixed design controlled cement Concrete using graded black trap stone aggregates of maximum 12 to 20mm nominal (down graded) size including fine aggregates conforming to latest IS 383 with minimum cement content (without fly ash) (Min cement level as per latest IS 456 shall be maintained ,Cement Level 380 kg) for durability shall be followed as per approved design mix and latest IS 456 for Reinforced concrete work in Foundations, footings, Base of columns and Mass concrete. All work up to Plinth level Including compacted with vibrators, watering, curing Etc. The cost of centering and form work is included with new steel/ plywood shuttering, steel scaffolding, propping etc. and the cost of its removal will have to be borne along with all leads and lifts. The cost of Reinforcement steel will have to be calculated separately, which will be measured and Paid separately. The Entire work will have to be completed as per Directed by Engineer in- charge.	21.00	Cu.Mt.	0.00	0.00

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Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
14	Providing Material and labour for laying in position controlled cement concrete M.250 Grade concrete for reinforced cement concrete work using cement content as per approved batched and machine mixed design controlled cement Concrete using graded black trap stone aggregates of maximum 12 to 20mm nominal (down graded) size including fine aggregates conforming to latest IS 383 with minimum cement content (without fly ash) (Min cement level as per latest IS 456 shall be maintained ,Cement Level 380 kg) for durability shall be followed as per approved design mix and latest IS 456 for Reinforced concrete work in Columns, Pillars posts and struts, All work up to Floor two level Including compacted with vibrators ,watering, curing Etc. The cost of centering and form work is included with new steel/ plywood shuttering, steel scaffolding, propping etc. and the cost of its removal will have to be borne along with all leads and lifts. The cost of Reinforcement steel will have to be calculated separately, which will be measured and Paid separately. The Entire work will have to be completed as per Directed by Engineer in-charge.	5.00	Cu.Mt.	0.00	0.00
15	Providing Material and labour for laying in position controlled cement concrete M.250 Grade concrete for reinforced cement concrete work using cement content as per approved batched and machine mixed design controlled cement Concrete using graded black trap stone aggregates of maximum 12 to 20mm nominal (down graded) size including fine aggregates conforming to latest IS 383 with minimum cement content (without fly ash) (Min cement level as per latest IS 456 shall be maintained ,Cement Level 380 kg) for durability shall be followed as per approved design mix and latest IS 456 for Reinforced concrete work in Beams, Plinth beam, Girders, Lintels and Cantilever all work up to Below Plinth & up to Plinth Level Including compacted with vibrators ,watering, curing Etc. The cost of centering and form work is included with new steel/ plywood shuttering, steel scaffolding, propping etc. and the cost of its removal will have to be borne along with all leads and lifts. The cost of Reinforcement steel will have to be calculated separately, which will be measured and Paid separately. The Entire work will have to be completed as per Directed by Engineer in- charge.	3.00	Cu.Mt.	0.00	0.00
16	Providing Material and labour for laying in position controlled cement concrete M.250 Grade concrete for reinforced cement concrete work using cement content as per approved batched and machine mixed design controlled cement Concrete using graded black trap stone aggregates of maximum 12 to 20mm nominal (down graded) size including fine aggregates conforming to latest IS 383 with minimum cement content (without fly ash) (Min cement level as per latest IS 456 shall be maintained ,Cement Level 380 kg) for durability shall be followed as per approved design mix and latest IS 456 for Reinforced concrete work in in Slabs, Landing, Weather Sheds.Balconies and Cantilever up to Below Plinth & up to Plinth Level Including centering and with vibrators ,watering, curing Etc.The cost of centering and form work is included with new steel/ plywood shuttering,steel scaffolding, propping etc. and the cost of its removal will have to be borne along with all leads and lifts.The cost of Reinforcement steel will have to be calculated separately, which will be measured and Paid separately. The Entire work will have to be completed as per Directed by Engineer in- charge.	14.00	Cu.Mt.	0.00	0.00
17	Providing Material and labour for laying in position controlled cement concrete M.250 Grade concrete for reinforced cement concrete work using cement content as per approved batched and machine mixed design controlled cement Concrete using graded black trap stone aggregates of maximum 12 to 20mm nominal (down graded) size including fine aggregates conforming to latest IS 383 with minimum cement content (without fly ash) (Min cement level as per latest IS 456 shall be maintained ,Cement Level 380 kg) for durability shall be followed as per approved design mix and latest IS 456 for Reinforced concrete work in Wall work up to Plinth & up to Floor Two Level Including compacted with vibrators ,watering, curing Etc.The cost of centering and form work is included with new steel/ plywood shuttering,steel scaffolding, propping etc. and the cost of its removal will have to be borne along with all leads and lifts.The cost of Reinforcement steel will have to be calculated separately, which will be measured and Paid separately. The Entire work will have to be completed as per Directed by Engineer in- charge.	25.00	Cu.Mt.	0.00	0.00
18	Supplying, cutting, bending, binding and placing in position TMT Bar Fe 500D reinforcement in all diameter conforming to relevant I.S. standards as per ISS 2502 and IS 1786 including cost of binding with GI wires and placing in position complete up to Plinth to Floor Three Level (All Floor) (Brands:SAIL, Jindal)	9171.00	Kg	0.00	0.00
19	Providing Material and Labour With fabricating & Fixing of M.S. grills Small Gate, Etc. of required pattern to brick walls/Columns prepared with M.S. flats, angles, Square/round bars, square pipes, at required spacing with necessary cutting, bending, jointing, connecting, welding and bolting and riveting and fabricating and erecting in position etc. complete for all levels as directed. The rate to include all necessary fixtures, fastening etc & Cleaning with sand papering, Cleaning Weld dots with grinder machine with smooth joint of welding, & also including one coat of primer and two coats of mate finished oil painting etc complete. Hold fasts as per detailed drawing and fixing brick walls / coping / columns etc. (Oil Paint Make Asian, Narolac / MS Steel Jindal, Asian, Tata) (A) Ornamental Grill	100.00	Kg	0.00	0.00

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Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
20	Providing Material and Labour With Fabricating & Erecting of Structural Steel Works in required pattern/design using Structural Steel like ISMC, Box Pipe, ISMB, Angle, Plates/Bright Bars, round pipes as per detailed design/ drawings/ instructions including Straightening, Cleaning, Derusting, Cutting, Bending, Fabricating, Welding, Bolting, Riveting Hoisting, Jointing, connecting & fixing and erecting in position for all levels For Roof work Finch & Main Gates, Fire Pipe Bracket,Support at Compound wall Etc. works Also providing & painting with one coat of zinc chromate primer and two coats of enamel paint of Asian/Narolac make & shade etc. providing welding electrodes of the approved make and nuts, bolts etc complete with necessary labour, tools, scaffolding, platforms, props, ropes, pulleys, Cost included of furnish and erect at all height, all required Members as per detail, all expenses derricks, shear legs, staging & necessary Scaffolding, loading, unloading for the proper completion of the work. Frame work Making from /Tata. Vizag / Asian make & also All support Frame fabrication with Supporting with fabricating & fixing at Supporting vertical member As per Detail drawing (Structural steel Make Tata, Vizag / Asian)	4297.00	Kg	0.00	0.00
21	Providing Material and Labour with fixing of Roof Top & flashing for roof panel shall be made out of 0.6 mm thick pre coated GI sheet. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per 15:277:1992, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15 18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fasteners @ maximum 450 mm c/c along length of capping/flashing etc complete. (This GI Sheet will be supported on structural steel beam with shear studs. & structural steel qty Measured & paid separately. GI Sheet Make JSW, Tata)	200.00	Sq.Mt.	0.00	0.00
22	Providing material and labour for laying Brick work using common burnt clay building Conventional bricks having crushing strength not less than 35 kg/SqCm in foundation and plinth in Cement Mortar 1:5 (1- Cement : 5 -fine sand) in any shape and thickness including finishing, racking of joints, curing, scaffolding for all height all level etc. complete as directed by engineer-in-charge.	170.00	Cu.Mt.	0.00	0.00
23	Providing material and labour for Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/Sq.Cm. in superstructure above plinth level upto floor two level (B) Cement Mortar 1:5. (1- Cement : 5 -fine sand) in any shape and thickness including finishing, racking of joints, curing, scaffolding for all height all level etc. complete as directed by engineer-in-charge.	17.00	Cu.Mt.	0.00	0.00
24	Providing material and labour for (i) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 -coarse sand) in foundation, plinth and superstructure above plinth level upto floor two level, in any shape and thickness including finishing, racking of joints, curing, scaffolding for all height all level etc. complete as directed by engineer-in-charge.	50.00	Sq.Mt.	0.00	0.00
25	Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 95mm x 24mm x 1.17mm @ wt.of 0.738 Kg/mt, horizontal Three track member size 92mm x 31.75mm x 1.30mm @ Wt.1.07 Kg/mt, vertical member of size 92mm x 31.75mm x 1.50mm, @ Wt. 1.06 Kg/mt with sliding shutters of horizontal member size 40 mmx18mm x1.29mm @ wt.of 0.456 Kg/mt, vertical member of size 40mm x 18mm x 1.29 mm @ wt.of 0.456Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and trans	15.00	Sq.Mt.	0.00	0.00
26	Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm, @ Wt 1.094 Kg / Rmt, horizontal Two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30mm @ wt.of 0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window	36.00	Sq.Mt.	0.00	0.00
27	Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm , @ Wt. 0.643 Kg/mt with colour Powder Coated aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	3.00	Sq.Mt.	0.00	0.00

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Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
28	Providing and fixing of Aluminium Partition with Powder coated Aluminium extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make (Jindal or Equal ant Make) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners for fixing of vertical sections in the ceiling to support the frame including necessary filling up of gaps at junctions, top, bottom and sides with required PVC/ neoprene felt, EPDM etc. Aluminium sections shall be smooth, rust free straight, metered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass/ stainless steel screws all complete as per architectural drawings and the direction of engineer-in-charge With powder coated aluminium section of 63.5mm x 38.10mm x 1.95mm (sectional weight of the Aluminium section should 1.094kg/ Rmt) with 12 mm thick both side pre-laminated flat pressed three layer of graded wood particle board conforming to IS:12823 grade I type II in panelling of partition walls as per Drawing & Partly float glass panes of 5 mm thickness (Modi, saint Gobain or equivalent) panelling of required height complete in all respect including all hardware fittings (Rate for Excluding Door, Door will be measured and Paid separately.) as per the direction of Engineer -in charge. Complete with all Labour, Material, Tools, All Hardware, Loading un loading, Scaffolding etc.	20.00	Sq.Mt.	0.00	0.00
29	Providing and fixing of Aluminium Glass Door with Powder coated Aluminium extruded built up standard tubular sections of approved make (Jindal or Equal ant Make) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners for fixing of vertical sections in the ceiling to support the frame including necessary filling up of gaps at junctions, top, bottom and sides with required PVC/ neoprene felt, EPDM etc. Aluminium sections shall be smooth, rust free straight, metered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass/ stainless steel screws all complete as per architectural drawings and the direction of engineer-in-charge With powder coated aluminium section of 63.5mm x 38.10mm x 1.95mm (sectional weight of the Aluminium section should 1.094kg/ Rmt) with 12 mm thick both side pre-laminated flat pressed three layer of graded wood particle board conforming to IS:12823 grade I type II in panelling of partition walls as per Drawing & Partly float glass panel of 5 mm thickness (Modi, saint Gobain or equivalent) panelling of required height complete in all respect including all hardware fittings (Rate for Including Dorma Make Medium Wt.Floor Spring, Door Handleoor, Stopper, etc as per the direction of Engineer -in charge. Complete with all Labour, Material, Tools, All Hardware, Loading un loading, Scaffolding etc.	6.00	Sq.Mt.	0.00	0.00
30	Providing material and labour with fixing of 60 cm x 60 cm Glossy/ Matt finished Vitrified Tiles 9 to 10mm thk. Flooring (RAK, Qutone, Simpolo, Nexion or equivalent brand) flooring over 20 mm (average) base of cement mortar 1:3 (1 cement: 3 coarse sand) on new surface of floor by adhesive material(Polymer Chemical adhesive: Laticrete 325) including finished with flush pointing & cleaning the surface and including filling the joints with Approved Epoxy Grout (Polymer Chemical adhesive: Laticrete 325) in 3-4 mm width and 10 mm Depth including cost of PVC Spacers, Rubbing, Cleaning and finishing the surface etc. complete.	50.00	Sq.Mt.	0.00	0.00
31	Providing and laying Mirror Polished Granite slab 16-18mm (Average) thick for Sill & Jambs for Door, Windows, Ventilators, Openings, Elevation Cut-outs, Planter wall top etc. as per design and Drawings incl. full molded round both edge on 10 mm thick cement mortar 1:3 (1-cement : 3-coarse sand) & jointed with Grey cement slurry including rubbing and polishing etc. complete. Granite shade As per Approved & Selection by Architect or Directed by Eng-in-Charge.	16.00	Sq.Mt.	0.00	0.00
32	Providing Material and Labour and applying Terrace Waterproofing Treatment as per Bellow Specification The operation shall be carried out after cleaning of Existing Terrace surface to remove loose particles with wire brushes,& Crack Filling wherever Required Big Crack filled with Cement Fine sand ratio 1:3 using Suuitable exterior durable, polymer + cement based crack filling compound of a reputed brand. fill the hair line cracks up to 3mm thickness with Asian Paint smart care crack seal by applying one coat of exterior primer and two coats of crack seal on the cracks.Intercut interval between these coats should be min 10-12 hours big joint crack (up to 40mm width) can be filled with asian Paints Hybrid PU Sealant Damp Proof/ Damp proof ultra Application Apply one coat of Asian Paints Smart care Damp Proof with 25 %Dilution by water with the help of Asian paints Smart care Roller 800 as a priming coat , Allow to Dry for 4-6 hours in clear sun light, Apply Second Coat of Asian Smart Care Damp proof/Ultra without Dilution with the help of Asian Paints Smart Care Exterior Roller 800, Apply Third Coat of Asian Smart Care Damp proof/Ultra without Dilution with the help of Asian Paints Smart Care Exterior Roller 800,Allow it to dry for 4-6 hours in clear sun light. The whole work is to be executed through specialized agency with aguarantee of 10 years given on a prescribed proforma duly stamped.The water proofing work 10% will be retained from the billing Amount for 5 years (without intrest) The Amount shall be refunded after Five years without intrest.Work complete including all type of tools, tackles, Scaffolding,safety measures etc complete at any level and height,complete in all respect as per the direction of Engineer-in-Charge etc.	100.00	Sq.Mt.	0.00	0.00
33	Providing material and labour for 10mm thick cement plaster in single coat on Slab ceiling surface for plastering finished level and smooth including curing, scaffolding etc. complete in C:M (1cement : 3 fine sand) and finished with floating coat of neat cement slurry as directions of Engineer-in-charge Complete. Above Plinth to Floor Two Level.	125.00	Sq.Mt.	0.00	0.00

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Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
34	Providing material and labour for 15mm thick cement plaster in single coat on brick concrete wall surface for plastering finished even and smooth including curing scaffolding etc. complete in C:M 1:4 (1cement : 4 fine sand) and finished with floating coat of neat cement slurry also Fixing of GI mesh at all Horizontal & Vertical junction of RCC Column/ beam & Brick work as directions of Engineer-in-charge Complete. Above Plinth to All Floor	205.00	Sq.Mt.	0.00	0.00
35	Providing material and labour for 15 mm thick water proof cement plaster using water proofing powder 1Kg/1bag of cement for all floors on brick / concrete wall work using water proofing materials in CM 1:3 (1-cement : 3-coarse sand) including finishing with a floating coat of neat cement slurry etc complete for Above Plinth to All Floor	170.00	Sq.Mt.	0.00	0.00
36	Providing material and labour for 20 mm thick double coat mala cement plaster on exterior / interior, brick / concrete work for plastering comprising of base coat of 12mm thick cement plaster in cement mortar (1-Cement : 4-Coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1-Cement : 2-Coarse sand) finished with trowel including scaffolding curing etc. complete. (All Floor)	75.00	Sq.Mt.	0.00	0.00
37	Providing material and labor for 20 mm thick rough finished (Sand Face) cement plaster on walls up to any height consisting of 12mm thick backing coat of CM 1:3 (1-cement : 3-sand) and 8mm thick rough finishing coat of CM 1:1 (1-cement : 1-sand) on exterior brick / concrete work for receiving texture paint's base coat etc. complete. For plastering below & above plinth up to all Floor complete. as directions of Engineer in charge Complete.(All Floor)	250.00	Sq.Mt.	0.00	0.00
38	Providing material & labour for Ceiling painting (two coats) with plastic Emulsion paint of approved brand and manufacture on un decorated Ceiling surface to give an even shade including With applying Two coats of wall care Putty & two coat of primer thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. as directed by engineer in charge complete.(All Floor) Make: Asian Paint, Dulux, Nerolac, Berger Jotun or equivalent./ Wall Care Putty Birla White.Asian Paints, JK,Berger paint, Nerolac or equivalent	100.00	Sq.Mt.	0.00	0.00
39	Providing material & labour for Wall painting (two coats) with plastic Emulsion paint of approved brand and manufacture on un decorated wall surface to give an even shade including With applying Two coats of wall care Putty & two coat of primer thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. as directed by engineer in charge complete.(All Floor) Make: Asian Paint, Dulux, Nerolac, Berger Jotun or equivalent./ Wall Care Putty Birla White.Asian Paints, JK,Berger paint, Nerolac or equivalent	100.00	Sq.Mt.	0.00	0.00
40	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter. Rate shall be inclusive of the cost of scaffolding Complete as per Directed by Engineer In charge.	190.00	Sq.Mt.	0.00	0.00
41	Metal Paint: Providing and applying two coats of abduct cured modified epoxy marine paint of 150 micron each and 50 micron top coat of acrylic pu finish. Including surface preparation by dry abrasive blasting of 45 to 60 microns with cleaning and removal of all dirt, grease, varnish, paint or any other foreign matter, including thinner and all accessories. Sample to be approved before starting of the work by Architect/ EIC. Rate shall be inclusive of the cost of scaffolding. (Brands: Jotun or equivalent)	170.00	Sq.Mt.	0.00	0.00
42	Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar.	20.00	Cu.Mt.	0.00	0.00
43	Removing and scraping of old deteriorated plaster of any thickness from wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift	200.00	Sq.Mt.	0.00	0.00
44	Providing, fixing, jointing and testing in position the following U-PVC pressure threaded Pipes as per ASTM D 1785 Schedule 80 and threaded conforming to IS:554. Cut to required lengths including all necessary fittings and specials such as bends, tees, unions, reducers, flanges and plugs etc. The pipes & fittings shall be tested to a pressure of 15 Kg/Sq.cm. Fixing at wall/ ceiling, Floor level supported by clamps, fastener, hangers etc. as per specification. Cutting hole in wall / floor slab and making good the same with cement concrete 1:2:4 complete as required. GI heavy class pipe sleeve of larger diameter shall be provided wherever the pipes crossing the walls/floor slab and sealing the sleeves as per consultants requirement. Threading, jointing & making proper connections & trenching,Excavation, refilling & testing of joints complete as per direction of Engineer in Charge.(The pipe length inserted in the fitting shall not be measured for payment) For Cold Water Lines (make:Astral,Ashirvad & supreme or equivalent) 65 mm nominal outer dia Pipes (SCH 40)	210.00	R.Mt.	0.00	0.00
45	providing and erecting Butter Fly Valve(MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation as specified 65 mm dia.	5.00	Each	0.00	0.00
46	Providing & fixing of Glass Cover Display Cabinet Box making from 18mm th Plywood & Laminate finish with MS Pipe Black Powder coated Framing As per Drawing. The base of cabinet is making From 25mm thick plywood with 1mm thk Laminate Finish & above Base Display Box made from 18mm plywood With Laminate on all external side. & Periphery of Box covered with 18mm MS Pipe Frame with Black Powder coating & Cladding with 12mm Toughened Glass and fixed with transparent silicon sealant fixing to frame as per detail drawing. including required Hardware etc Complete as shown in Drawing or as per directed by engg in charge. (MS Frame Size 600mm x 450mm x1300mm Ht & Middle Wooden Base Box Size 300mm x450mm x 900mm ht)	6.00	Nos	0.00	0.00

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Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
47	Providing and supplying & fixing of Open Display Rack size of 2200mm x 300 mm x 2140 mm ht which should support angles 25 x 25 x 4mm Legs and should be provided Middle Support Frame and painted finish for long time usage. Further, it should be MS powder coated finish which can provide for optimum corrosion resistance. It should be steady enough to keep bulky stuff easily up to 60kg to 75 kg per shelf capacity. It should include 18mm thk Plywood With Both side Laminated self with an Fixed arrangement, should have greater depth support, and should be completely flexible to use, heavy-duty structural steel section, and others. Offered angle racks should be designed utilizing the finest quality of material and sophisticated technology in compliance with set standards of the industry. As approved by Architect. (Including transportation, loading, unloading and erecting/installation/placing of item at site as directed by Engineer in charge.) Size: 2200mm x 300mm x 2140mm Complete as per Drawing.	4.00	Nos	0.00	0.00
48	Providing and supplying & fixing of Decorative Open Display unit size of 2550mm x 300 mm x 2140 mm ht Display unit Made From 18mm Plywood box with all exposed Side Finish with 1mm Laminate. Wooden box Size & shape as per drawing Various size of Box) should Fixed in 25x25mm x 1.2mm MS Powder Coated Framing Legs and Middle Support Frame painted with Epoxy Paint for long time usage. Unit with Fixed arrangement, should have greater depth support, and should be completely flexible to use, heavy-duty structural steel section, and others. MS Member should be designed utilizing the finest quality of material and sophisticated technology in compliance with set standards of the industry. As approved by Architect. (Including transportation, loading, unloading and erecting/installation/placing of item at site as directed by Engineer in charge.) Size: 2550mm x 300mm x 2140mm Complete as per Drawing.	4.00	Nos	0.00	0.00
49	Providing Supplying & Installation of Window Mounted Exhaust Fan (Size 700mm x 700mm x 370mm) Consist of MS Heavy Duty Body & Frame, 24" Blade, Three Phase Power supply, 8500M ³ /Hr, 1400 RPM, Each Component of the System will be treated with rust preventive treatment and will be powder coated for better finish. etc Complete with all Labour, Material, Tools, All Hardware, Loading un loading, Scaffolding etc.	12.00	Nos	0.00	0.00
50	Providing, Supplying and fixing of Factory made Modular furniture as per below specification including erection at site. Computer Table 1200 x 600 x 750mm Ht : Table Top : 25 mm thk. Prelaminated Particle Board with 2mm PVC Edge band on all side. Table top at 750 mm height from floor level. Cut-out provision for Access flap as required. Under structure : Splayed (Slant) Legs made up of 40mm x 40mm MS pipe finished in Powder coating. Cross members made up of 40mm x 40mm MS Section finished in Powder coating are connected to Legs with Brackets for table support. Including Modesty : 450mm Ht 18mm thk Prelaminated PB Board with 2mm PVC Edge band to all Exposed Area. PVC Grommet Key Board Trey : Metal Powder Coated (Without Mouse Pad) CPU Trolley : Metal Powder Coated with complete Installation, transportation, Loading unloading Etc. (Make & System is as Per Selection of Consultant Selection Of Higher Authority)	16.00	Nos	0.00	0.00
51	Providing, Supplying and fixing of Factory made Chair as per below specification including erection at site Mesh Back Chair Chair Seat : molded seat foam upholstered with breathable fabric Lumber Support : fixed lumbar support Armrest : Fixed PP armrest Mechanism : Center Tilt Mechanism. (Seat to Back Angle Fixed) Gaslift : Class 4, 112mm Stroke for seat height adjustment Base : Injection molded 5 Prong Nylon base, 660mm diameter Castor : Nylon, Dia 60mm	16.00	Nos	0.00	0.00
52	Providing, laying, testing & commissioning of 50 mm diameter 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :	150.00	R.Mt.	0.00	0.00
53	Providing, laying, testing & commissioning of 65 mm diameter 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :	100.00	R.Mt.	0.00	0.00
54	Providing, laying, testing & commissioning of 80 mm diameter 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :	150.00	R.Mt.	0.00	0.00
55	Providing and fixing 80 mm dia cast iron butterfly valve complete with epoxy coated disc, carbon steel shaft and lever actuator including flanges and nut bolts etc complete as per IS 13095 of PN16 rating, for isolation	12.00	Each	0.00	0.00
56	Providing and fixing 100 mm dia cast iron butterfly valve complete with epoxy coated disc, carbon steel shaft and lever actuator including flanges and nut bolts etc complete as per IS 13095 of PN16 rating, for isolation	45.00	Each	0.00	0.00
57	Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required :	12.00	Each	0.00	0.00
58	Supplying and fixing first-aid 30 meter long Hose Reel with MS construction spray painted in post office red, conforming to IS 884 complete with the following as required. 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585. 20 mm nominal internal dia gun metal globe valve & nozzle. Drum and brackets for fixing the equipment on wall. Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.	12.00	Each	0.00	0.00

Name of Work :- Work of Infrastructure Development includes Extension of shed, refurbishment and up-gradation with fire fighting & cctv surveillance at Stone Artisan Park for SAPTI located at Ambaji, Village - Kumbhariya, Tal : Danta, Dist - Banaskantha, Gujarat

Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
59	Providing and fixing of weather proof hose cabinet fabricated from 16g MS sheet with full glass door and locking arrangement, suitable to accommodate 2 nos. 15m long 63 mm dia hose, and one no. branch pipe with nozzle. The cabinet shall be painted with two coats of 'Fire red' enamel paint over two coats of Zinc Chromate primer including "Fire Hose" written on front including suitably mounted on a raised masonry platform as required. (Approx. 0.75m x 0.6m x 0.25m).	45.00	Each	0.00	0.00
60	Supplying and fixing Gun Metal 63 mm dia, 15 m long RRL hose pipe with 63 mm dia male and female couplings <u>duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required :</u>	40.00	Each	0.00	0.00
61	Supplying & fixing 63 mm dia gun metal short branch pipe with 20 mm nominal internal diameter size nozzle conforming to IS 903 suitable for instantaneous connection to interconnect hose pipe coupling as required as per approved make.	40.00	Each	0.00	0.00
62	Supplying and fixing of 2-way fire brigade connection to static tank (Draw out connection) of cast iron body with gun metal male instantaneous inlet couplings complete with cap and chain as reqd. for suitable dia MS pipe connection conforming to IS 904 as required :	1.00	Each	0.00	0.00
63	Providing & fixing Fire pump ON/OFF switch including all related fitting accessories as per engineer in charge.	12.00	Each	0.00	0.00
64	ABC Powder type fire extinguisher of 6 Kgs. Capacity, with initial filling in brand new cylinder with powder coated finish, fitted with Gun metal union, high pressure gas cartridge, discharge hose, wall mounting bracket etc. complete, <u>confirming to IS:15683</u>	12.00	Nos.	0.00	0.00
65	Supply and installation of fire man's axe.	12.00	Nos.	0.00	0.00
66	<u>Providing & fixing of pressure switch in M.S. pipe line including connection etc. as required.</u>	6.00	Nos.	0.00	0.00
67	Providing laying, testing & commissioning of 'C' class heavy duty MS Pipe conforming to IS 1239 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground including welding, excavation & providing cement concrete blocks as supports, anti corrosive treatment with coal tar/asphalt tape as per IS 10221, refilling the trench etc. of following sizes complete as required. Pipe Size: 80mm diameter	300.00	R.Mt.	0.00	0.00
68	Providing laying, testing & commissioning of 'C' class heavy duty MS Pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground including welding, excavation & providing cement concrete blocks as supports, anti corrosive treatment with coal tar/asphalt tape as per IS 10221, refilling the trench etc. of following sizes complete as required. Pipe Size: 100mm diameter	600.00	R.Mt.	0.00	0.00
69	Providing laying, testing & commissioning of 'C' class heavy duty MS Pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground including welding, excavation & providing cement concrete blocks as supports, anti corrosive treatment with coal tar/asphalt tape as per IS 10221, refilling the trench etc. of following sizes complete as required. Pipe Size: 150mm diameter	500.00	R.Mt.	0.00	0.00
70	Supplying and fixing of fire brigade connection of cast iron body with gun metal male instantaneous inlet couplings complete with cap and chain as reqd. for suitable dia MS pipe connection conforming to IS 904 as required : 2 way 100 mm dia M.S. Pipe	1.00	Each	0.00	0.00
71	Providing and fixing 150 mm dia cast iron butterfly valve complete with epoxy coated disc, carbon steel shaft and lever actuator including flanges and nut bolts etc complete as per I.S 13095 of PN16 rating, for isolation	6.00	Each	0.00	0.00
72	Providing, installation, testing and commissioning of 100 mm diameter non-return valve of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :	1.00	Each	0.00	0.00
73	Providing, installation, testing and commissioning of 150 mm diameter non-return valve of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :	1.00	Each	0.00	0.00
74	Providing, installation, testing and commissioning of 150 mm diameter stainless steel Y-strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange.	1.00	Each	0.00	0.00
75	Providing, installation, testing and commissioning of 100 mm diameter Neoprene based flexible connectors shall be of the single- or double-sphere molded joint configuration and shall meet specifications of the Rubber Expansion Joint Division.	1.00	Each	0.00	0.00
76	Providing, installation, testing and commissioning of 150 mm diameter Neoprene based flexible pump connectors shall be of the single- or double-sphere molded joint configuration and shall meet specifications of the Rubber Expansion Joint Division. Maximum Pressure: 225 PSIG based on 170° F operating temperature.	1.00	Each	0.00	0.00
77	Supplying and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200 mm in height with air release valve on top and flange connection to riser, drain arrangement with 25 mm dia gun metal wheel valve with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required.	1.00	Each	0.00	0.00
78	Supplying and fixing orifice plate made out of 6 mm thick stainless steel (Grade 304) with orifice of required size to be fitted between flange & landing valve of external and internal hydrants to reduce pressure at the outlet to the level of 3.5 kg/cm2 complete as required. (contractor to provide detail calculations for orifice plate selection)	1.00	Each	0.00	0.00
79	Providing, fixing, testing & commissioning of installation control valve of cast iron body, brass/bronze working parts comprising of water motor alarm, bronze seat clapper, clapper arm and hydraulically driven mechanical gong bell to sound continuous alarm when the wet riser/sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass, test control box, ball valves, MS pipe of required size, flanges, orifice plate, gasket etc of 100 mm sizes as required :(cabling will be part of Fire Alarm System)	1.00	Each	0.00	0.00
80	Providing pipe protection for underground pipes from corrosion painting pipe with approved primer and covered with anti corrosive tape (4mm thick) of approved make as per specifications pipe size as follow: 80 mm diameter	50.00	R.Mt.	0.00	0.00
81	Providing pipe protection for underground pipes from corrosion painting pipe with approved primer and covered with anti corrosive tape (4mm thick) of approved make as per specifications pipe size as follow: 100 mm diameter	100.00	R.Mt.	0.00	0.00
82	Providing pipe protection for underground pipes from corrosion painting pipe with approved primer and covered with anti corrosive tape (4mm thick) of approved make as per specifications pipe size as follow: 150 mm diameter	200.00	R.Mt.	0.00	0.00
83	Supplying, installation, testing and commissioning of Electric driven Main Fire Pump suitable for automatic operation and consisting of following, complete in all respects, as required :Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. Suitable HP Squirrel cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415 volts, 3 phase 50 Hz, AC supply with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered with anti vibration pads. 1620 lpm at 70 m Head	1.00	Each	0.00	0.00

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Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
84	Supplying, installation, testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following, complete in all respects, as required : (Diesel Driven Pump) Horizontal type, multistage, centrifugal pump of cast of iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12 /24 volts electric starting equipment, diesel tank, exhaust pipe extended upto 10 m outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc. as required. M.S fabricated, common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered and with anti vibration pads. 1620 lpm at 70 m Head	1.00	Each	0.00	0.00
85	Supplying, installation, testing and commissioning of electric driven pressurisation pump suitable for automatic operation and consisting of following, complete in all respects, as required : (Jockey Pump) Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS : 1520. Suitable HP squirell cage induction motor TEFC type suitable for operation on 415 volts, 3 phase 50 Hz AC supply with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS : 325. M.S.fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered and with anti vibration pads. 180 lpm at 70 m Head	1.00	Each	0.00	0.00
86	Fabrication, supply, Installation testing & commissioning of Electrical control panel of cubical construction, floor mounted type, fabricated out of 2mm thick CRCA sheet, compartmentalized with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection with suitable size copper conductor cable/solid copper strip, having switch gears and accessories, mountings and internal wiring, earth terminals, numbering etc. complete in all respect, suitable for main fire pump, pressurization pump & diesel pump set complete as per CPWD specification with following in coming and Outgoings, suitable for operation on 415V, 3 phase, 50Hz Ac Supply with enclosure protection class IP 42 as required : INCOMING 250A, 50kA 4 Pole MCCB, Ics=100% Icu rating Digital Voltmeter 0-500V with selector switch Digital Ammeter (0-250 A) with selector switch & CTs etc. LED type RYB phase indicating lamps, ON, OFF, trip indicating lamps Set of Copper Bus Bar 300A OUTGOING (Note : All outgoing feeders for pumps should have digital Ammeter with selector switches, and LED type ON, OFF, trip indicating lamps) Main Fire Pump Control Panel 125 A, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star/Delta starter suitable for 60 HP pump with overload protection, current sensing type single phase preventive complete with all accessories and internal wiring required for automatic operation selector switch for local/remote, auto/manual/OFF operation. Jockey Pump Control Panel 63 A, 50kA TPN MCCB, Ics=100% Icu, with suitable HP fully automatic Star/Delta starter with overload protection, current sensing type single phase preventive complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. DIESEL ENGINE CONTROL PANEL Control for diesel engine comprising - Automatic/Manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode Indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indication Battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 0- 20 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine System Controller Designing, Supply, Installation, Testing and commissioning of system controller to control operation of main electric fire pump, diesel pump, Pressurization pump, Terrace pump in sequence as per specification consisting of relays, timers. Sensors, annunciation window for fault indication, complete as per specification	1.00	Each	0.00	0.00
87	Supply, Installation, testing and commissioning of Cat6 Tool less Information outlet for Data & Voice. Cat6 U/UTP built in crimping mechanism with capability of retermination without refreshing the wires. LCS2 Tool less RJ45 Information outlet with insertion cycle (in & out) should be 2500 times (I/O) along with front side Label holder and transparent shutter. The Information Outlet connector shall be of gold/nickel, thickness of gold > 0.8 µm.3.3.10 The connectors shall be compliant with standards ISO/IEC 11801 Edition 2, CENELEC EN 50173-1 2007, ANSI/EIA/TIA 568-C.2, IEC series 60603-7 & also compatible as per IEEE 802.3af standard for PoE application. Note: 1) Cost of cable termination in RJ45 jack shall claimed with the above item.	60.00	Nos	0.00	0.00
88	Supply, Installation, testing and commissioning of 24 port Cat 6 19" Modular Patch Panel enable all possible combinations of the various types of cable (UTP, FTP, SFTP) mounted on the same panel by using various tool less connector blocks/modules. Have a metal structure enabling them to be durably fixed to the uprights of the 19" chassis and assuring automatic grounding between tool less RJ-45 connectors, the panel, and the 19" uprights of the enclosure. Include rear cable support with plastic cable guides to hold cable without need for cable ties. Include quick mounting system to mount the panel into the 19" rails without use of cage-nuts. Allow controlled access solutions to lock the empty ports of the panels (with a shutter) and to lock the patch cords in the ports. These may be used to secure the connections of wifi access points, IP cameras, servers, or other critical devices. The modular patch panel should also enable combinations of fiber optic cassettes, transceivers or Power over Ethernet injector modules to be mounted on the same panel by using tool less connector blocks/modules. Front Removal IO's option for maintenance and trouble shooting with 6 Different Colors Labels for Labeling & Identification of Individual Ports. Tested and guaranteed under dual circuit IEEE PoE+ up to 50W for up to 2500 on-load connections / disconnections. Supply, installation, testing & commissioning of Wire/Cable manager suitable mounting on wall mounted/ floor mounted rack.	14.00	Nos	0.00	0.00

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Schedule - "B" - PRICE BID

Sr.No	Item Description	Qty.	Unit	Rate	Amount
89	Supply, Installation, testing and commissioning of Cat6 Tool less Information outlet for Data & Voice. Cat6 U/UTP built in crimping mechanism with capability of retermination without refreshing the wires. LCS2 Tool less RJ45 Information outlet with insertion cycle (in & out) should be 2500 times (I/O) along with front side Label holder and transparent shutter. The Information Outlet connector shall be of gold/nickel, thickness of gold > 0.8 µm.3.3.10 The connectors shall be compliant with standards ISO/IEC 11801 Edition 2, CENELEC EN 50173-1 2007, ANSI/EIA/TIA 568-C.2, IEC series 60603-7 & also compatible as per IEEE 802.3af standard for PoE application. Note: 1) Cost of cable termination in RJ45 jack shall claimed with the above item.	60.00	Nos	0.00	0.00
90	Supply, installation, testing & commissioning of CAT6 UTP 24 AWG Patch Cord - 1 mtr with cross separator, Manufactured from stranded wires for longer flex-life, Conforming to the following standards like EN 50173, ISO/IEC 60603-7 & 11801/IEC 60332-1, UL VW-1	120.00	Nos	0.00	0.00
91	Supply, Installation, testing and commissioning of 19" slide-in drawers with galvanized steel accommodates up to 4 fiber optic units, 4 cables, accommodates up to 24 SC /LC connectors and 24 LC connectors. Should meet EN50173 and ISO/IEC 11801 operating specifications. (No SC connector required)	1.00	Nos	0.00	0.00
92	Supply, Installation, testing and commissioning of 19" slide-in drawers with galvanized steel accommodates up to 4 fiber optic units, 4 cables, accommodates up to 24 SC /LC connectors and 12 LC connectors. Should meet EN50173 and ISO/IEC 11801 operating specifications. (No SC connector required)	13.00	Nos	0.00	0.00
93	Supply, installation, testing & commissioning of Fiber optical cable 2 Meter LC-LC Patch Cord	28.00	Nos	0.00	0.00
94	Supply, laying and fixing of 6 core indoor/outdoor OS2 Armoured single mode Optical Fiber cable of size 50/125µm. outdoor rated with U/V stabilized sheath, Central Loose Tube Jelly filled construction, Permanent tensile strength minimum 500N, Maximum installation load 1500N, Impact resistance 20J, Crush resistance 3000N/100mm, Low Smoke Zero halogen jacket, fire rated for IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2 and confirming to ISO/IEC 11801 ed2:2002 (TIA/EIA 492AAAB) through existing GI/HDPE/ Hume pipe or on cable trays inside the cable duct including all necessary fixing accessories e.g. cable ties, hardware etc	1440.00	R.Mt.	0.00	0.00
95	Supply, laying and fixing of CAT - 6 UTP Cable 24AWG cross separator, Manufactured from stranded wires for longer flex-life	4800.00	R.Mt.	0.00	0.00
96	Supply, installation, testing & commissioning of 9U capacity wall mounted Cabinet / Rack with top bottom cable entry plates, ventilation grills at side complete with all mounting accessories , cable manager ,tray, ventilation fan, Power Manager & earthing strips - OUTDOOR Rack	14.00	Nos	0.00	0.00
97	Providing,Supply, Installation, Testing and Commissioning of IO Box for camera (IO,Patch code,and Box with face plate)	60.00	Nos	0.00	0.00
98	Supply, Installation, Testing and Commissioning of 2MP IR Bullet Camera- CMOS 2.8 mm, horizontal FOV 112.1°, vertical FOV 60.0°, diagonal FOV 132.2° 4 mm, horizontal FOV 90.2°, vertical FOV 48.6°, diagonal FOV 107.6° Camera shall be suitable for outdoor application.	60.00	Nos	0.00	0.00
99	Supply, Installation, Testing and Commissioning of 32 Channel NVR with 4K Support and 2 HDD Slot,16 IP Channel Inputs, HDMI, 1/1 Audio I/O and 2/1 Alarm I/O,12MP, 8MP, 5MP,3MP, 2MP, 1080P, D1 & CIF Recording Resolution,5 x 4k/16 x 3MP/24 x 1080P/54 x 720P/64 x D1 Decoding,2 SATA HDD Support (10TB Capacity per Slot, Hard Disk Not Included),Save up to 50% on Storage with H.265, Adaptive Recording & Camera-wise Recording Retention,SMS & Email Notification/ Calling from Mobile Application,512Mbps Throughput - 256 Uplink, 256 Downlink,Cascading: Built-in CMS to Monitor and Manage Multiple Matrix NVRs,ONVIF and Major Camera Brands Support,RAID0 & RAID1 Support	2.00	Nos	0.00	0.00
100	Supply, Installation, Testing and Commissioning of 14TB Hardisk.	4.00	Nos	0.00	0.00
101	Operator Terminals for viewing the cameras with licenses with monitors (32' LCD Displays). It is required that 18 camera shall be displayed on one monitor.	1.00	Nos	0.00	0.00
102	Providing,Supply, Installation, Testing and Commissioning HDMI Cable(20 Meter)	1.00	Nos	0.00	0.00
103	Providing,Supply, Installation, Testing and Commissioning 50 x 25 perforated Cable tray	20.00	R.Mt.	0.00	0.00
104	Excavation for Soft soil For Trench work, Pole Foundation Etc Including Re Filling Complete as Directed	100.00	R.Mt.	0.00	0.00
105	Supply, Installation, Testing and Commissioning of 25 mm PVC Conduit	500.00	R.Mt.	0.00	0.00
106	Providing,Supply, Installation, Testing and Commissioning 63mm Dwc Pipe	800.00	R.Mt.	0.00	0.00
107	SITC of 3meter Pole for CCTV installation with IP 65 Camera Stand along with foundation	12.00	Nos	0.00	0.00
	Grand Total				0.00