

Name of work: Construction of roads, storm water drainage system and sewerage system in Paspoli area.

Schedule of work

Sr. No.	Description of work	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
1	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish material and stacking at a distance of 50 mtr, Trasporting and stacking the serviceble material in Estate store with all lead as per direction of Engineer-in-Charge. etc. completed as directed.	444.00	m2	61.86	27463.64
2	Cutting of road surfaces manually including bituminous macadam, soling etc. including stacking the debris upto a distance of 50 metres or spreading as directed.	9.00	m2	202.94	1826.42
3	Dismantling plain cement concrete work including breaking concrete by chiselling, wedging etc., and stacking the debris upto a distance of 50 metres or spreading as directed.	12.00	m3	705.29	8463.42

4	Dismantling Reinforced cement concrete work including breaking concrete by chiselling, wedging including scaffolding, covering area with jute kantan to avoid spreading of dust etc., stacking the debris upto a distance of 50 metres as directed.	1.00	m3	1667.68	1667.68
5	Dismantling burnt brick masonry (in cement mortar) with plaster including sorting out serviceable bricks and lowering down debris, stacking the same and debris separately upto a distance of 50 meters or spreading the debris as directed.	1.00	m3	966.23	966.23
6	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 meters lead etc. completed as directed.	100.00	kg	2.75	275.17
7	Scarifying the existing bituminous road surface to a depth of 50mm and disposal of scarified material within all lifts and lead upto 50 mt lead including removing pipe road side railing etc complete as directed by Engineer In charge.	164.00	m2	4.13	676.91

8	Pulling down stone masonry in cement mortar with plaster / pointing without dust nuisance including sorting out the stone chips and debris separately and stacking upto distance of 50 metres or spreading the debris as directed.	5.00	m3	543.57	2717.84
9	Removing soling without dust nuisance including sorting out the stone chips and debris separately and stacking upto distance of 50 metres as directed.	2.00	m3	202.00	404.00
10	Excavation for foundation, trenches, Roadway etc. in earth, soil of all types, sand, gravel, soft and hard murum, soft rock etc. including removing the excavated materials up to a distance of 50 meters beyond the site of work and lift up to 1.50 meters, stacking and spreading as directed preparing the bed for the foundation and necessary dewatering using pump, backfilling, ramming, watering, including shoring and strutting, providing necessary barricading around excavated area etc. complete.	20600.00	m3	190.78	3930105.71
11	Excavation for foundation, trenches, Roadway etc. in earth, soil of all types, sand, gravel, loose boulders, soft and hard murum, soft rock etc. beyond 1.50 meter depth including removing the excavated materials up to a distance of 50 meters beyond the building area, stacking and spreading as directed including dewatering using pumps, preparing the bed for the foundation and necessary backfilling, ramming, watering complete including shoring and strutting, providing necessary barricading around excavated area etc. complete..	2831.00	m3	433.08	1226041.12

12	Excavation work in Hard rock (blasting prohibited) by mechanical means (Hydraulic excavatory) manual means in foundation, trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m.	1107.00	m3	752.92	833486.03
13	Excavation work in Hard rock (blasting prohibited) by mechanical means (Hydraulic excavatory) manual means in foundation, trenches or drains including dressing of sides and ramming of bottoms, beyond 1.5m including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m.	2766.00	m3	1528.43	4227648.97
14	Laying dry trap / rubble stone soling of required thickness including hand packing and compacting etc. complete using IITB stone including trasporting stone from various locations from IIT campus up to working site and cutting the stone in required size as per requirement.	450.00	m3	246.00	110700.00
15	Laying dry trap / rubble stone soling of required thickness including hand packing and compacting in proper level all complete as directed by Engineer-in-charge.	764.00	m3	892.00	681488.00

16	Filling in roads with approved moorum brough from outside sources and filling in layesr not exceeding 150mm thick including breaking clods, watering, rolling each layer with power roller of minimum 8 tonnes capacity to attain at least 90% of proctor density, dressing the sides and top to the required profile and grade etc. complete including testing of proctor density and submitting repaorts etc. complete as directed.	2675.00	m3	1264.62	3382858.50
17	Construction of granular sub-base, Grade-V having gradation as per MORTH table 400-1 (size range 75 mm to 0.425 mm) using Screening as per Morth table no.400-10 by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material using machinery to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge, collecting samples, testing as per section 900 of MORTH and submitting reports etc. completed as directed. (Note : The mix design with all relevant data to be submitted & prior approval is to be obtained from IIT Bombay. Compacted thickness will be taken for payment.)	1790.00	m3	2395.89	4288650.58
18	Construction of dry lean cement concrete over compacted granular sub base (GSB) with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 26.5 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per MORTH, Table 600-1, cement content not to be less than 150 Kg/cum of concrete, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in- charge including collecting samples, testing and submitting reports etc. completed as directed. Specification, mix design, methodology and testing should be done as per IRC 15: 2017. (Note : The mix design with all relevant data to be submitted & prior approval is to be obtained from IIT Bombay. Compacted thickness will be taken for payment.)	1250.00	m3	3820.17	4775206.73
19	Providing and laying, spreading and compacting Grade -II Metal (size range 53 to 22.40mm) using Screening Type-B (11.2mm agg.) stone aggregates to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / vibratory roller 8- 10 tonnes capacity in stages to proper grade and camber, applying and brooming requisite type of screening/ binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density etc. complete. (compacted thickness will be taken for payment)	38.00	m3	3052.47	115993.86

20	Providing & laying waterproof paper ( polythene sheet) of 150 GSM including overlap ( to be not less than 10cm) etc. complete as specified as directed.	7131.00	m2	38.00	270978.00
21	Providing and laying design mix/ ready mix cement concrete of M-40 grade, in roads using cement content as per design mix, using coarse sand and graded stone aggregate of 26.5 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve of 32mm dia. having length not less than 500mm @ 300mm c/c, providing tie bars of 10mm dia. having length not less than 600mm @ 400 c/c wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for Transverse/ contraction/ expansion, construction & longitudinal joints by groove cutting machine, providing and filling joints using cold Polysulfide joint fillers and sealants including casting cubes and bemas for testing the samples for compressive and flexural strength.and submitting reports etc. completed as per direction of Engineer-in-charge. Note:- Cement content should be not be less than 385 kg/cum. Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer. Specification, mix design, methodology and testing should be done as per IRC 15: 2017. ( Note : The mix design with all relevant data to be submitted & prior approval is to be obtained from IIT Bombay. Items of cutting groove, joint fillers, sealants, providing dowel bars with sleeve/ tie bars to be paid separately in respective items).	1430.00	m3	10908.00	15598440.00
22	Cutting Transverse/ contraction/ expansion, construction & longitudinal joints by groove cutting machine upto required depth including labour, transportation, tools and plants etc. compled as directed.	16128.00	Rmt	20.00	322560.00
23	Providing and filling the joint using foam baker rod as base with cold Polysulfide with labour, transportation, tools and plants etc. completed as directed.	16128.00	Rmt	247.00	3983616.00

24	Providing and filling the joint using pre-moulded joint filler up to full depth for sealing the joints with labour, transportation, tools and plants etc. completed as directed.	165.00	Rmt	25.00	4125.00
25	Providing and casting in position ready mixed M-20 grade cement concrete for foundation, coping and bedding etc. as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade excluding shuttering, including compaction, finishing, curing etc. including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge including casting cubes, testing and submitting reports etc. completed as directed.	312.00	m3	7097.79	2214512.02
26	Providing and laying cement concrete 1:1 1/2: 3 (M-20) plinth level to upto any floor using sand as fine aggregate and graded stone aggregate 20mm maximum size for foundation, coping and bedding, levelling, dewatering by any means, compaction, finishing, curing etc. complete all as directed.	40.00	m3	6792.76	271710.47
27	Providing and laying in position Ready mix M-30 grade cement concrete for all work up for reinforced cement concrete work and road work, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge including compacting, roughening the surface if special finish is to be provided, casting cubes, testing and submitting reports etc. completed as directed.	4082.00	m3	7470.70	30495406.93

28	Providing and laying in position machine batched and machine mixed design mix M-25 (1:1:2) grade cement concrete for all work up for reinforced cement concrete work and road work, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge including compacting, roughening the surface if special finish is to be provided, casting cubes, testing and submitting reports etc. completed as directed.	90.00	m3	7391.02	665191.69
29	Providing and laying in position Ready mix M-25 grade cement concrete for all work up for reinforced cement concrete work, footpath, parking etc. including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge including compacting, roughening the surface if special finish is to be provided, casting cubes, testing and submitting reports etc. completed as directed.	245.00	m3	7697.31	1885841.71
30	Centering and shuttering for Foundations, footings, bases of columns, coping, raft etc. including strutting, propping etc. and removal of form for all heights :	1725.00	m2	222.37	383585.85
31	Centering and shuttering for Walls (any thickness) including attached pilasters, butresses, plinth and string courses etc. including strutting, propping etc. and removal of form for all heights :	16357.00	m2	434.07	7100157.01

32	Centering and shuttering for Suspended floors, roofs, landings, staircase waste slab, balconies, cantilever chajjas, access platform etc. including strutting, propping etc. and removal of form for all heights :	4366.00	m2	484.18	2113919.78
33	Centering and shuttering for Lintels, beams, plinth beams, girders, bressumers, cantilevers etc. including strutting, propping etc. and removal of form for all heights :	15.00	m2	393.14	5897.15
34	Centering and shuttering for Columns, Pillars, Piers, Abutments, Posts and Struts etc. including strutting, propping etc. and removal of form for all heights :	17.00	m2	536.40	9118.83
35	<p>Applying stamping finish to the top surface of freshly laid plain/reinforced cement concrete of specified grade in porticos, sidewalks, driveways, pool decks and open yards as per direction of the Engineer-in-Charge. The process shall include the following:-</p> <ul style="list-style-type: none"> <li>• The concrete shall be placed and screeded to the finished grade, and floated to a uniform surface by using standard finishing techniques. The approved color hardener @ 2.7 kg/sqm shall be applied evenly to the surface of the fresh concrete by the dry shake method by sprinkling in two or more shakes, floated after each shake and trowelled only after the final floating. The approved release agent @ 0.113 kg/sqm shall be applied evenly to the trowelled surface before stamping or the said release agent can be applied to the flexible polyurethane stamp moulds of approved design and in required sizes to achieve final stamped pattern. These stampings shall be placed on the surface of concrete in three to four pieces at a time and tapped gently with rammers of sufficient size &amp; weight to leave proper stamp marks and the process repeated for the remaining concrete surface till the whole surface to be stamped is completed within the time while concrete is in plastic stage of setting.</li> <li>• After stamping, the curing shall be done as per manufactures specifications. After initial curing the imprinted joints shall be grouted using cement slurry mixed with color hardener as per the requirement. The surface shall be sealed by applying acrylic based sealer not less than 0.167 litre/sqm.on finished surface.</li> <li>• The construction joints shall be provided by groove cutting of size 4mm x 20mm in panel size 3m x 3 m or lesser as per the site conditions and filling the same with 10 mm baker rod and providing and laying (PU) Polyurethane based joint sealer of approved make as per manufacturer's specifications and finished by applying Polyurethane resin based top protective clear coat of minimum 80 micron applied with rollers on properly cured and dry clean surface. (Cost of concrete for flooring is not included in this item which shall be paid separately.)</li> </ul>	4790.00	m2	560.00	2682400.00

36	Constructing water entrant chambers for road side of internal clear dimensions 600mm x 600mm with 230mm thick brick masonry wall in cement mortar 1:6 over a bed of 100mm thick cement concrete M-20 (1:1½:3) foundation with 75mm minimum offset beyond masonry wall plastering with cement mortar 1:4, 20mm thick on internal, external and all exposed faces, finished with floating coat of neat cement including 100 mm thick cement concrete coping M-20 (1:1½:3) and plastering etc. complete for chamber of depth upto 600mm.	424	Nos	5488.35	2327060.40
37	Providing and fixing 900mm x 450mm rectangular medium duty Composite FRP manhole covers with frame for inspection chamber / manhole / gulley trap/ over storm water drain and other required places manufactured by M/s.KK or equivalent etc. all complete as directed.	916	Each	5481.00	5020596.00
38	Providing and fixing 900mm x 450mm rectangular Heavy duty Composite FRP manhole covers with frame for inspection chamber / manhole / gulley trap/ over storm water drain and other required places manufactured by M/s.KK or equivalent etc. all complete as directed.	108	Each	7954.00	859032.00
39	Providing and fixing 900mm x 600mm rectangular medium duty Composite FRP manhole covers with frame for inspection chamber / manhole / gulley trap and other required places manufactured by M/s.KK or equivalent etc. all complete as directed.	3	Each	6229.00	18687.00

40	Providing and fixing 900mm x 600mm rectangular Heavy duty Composite FRP manhole covers with frame for inspection chamber / manhole / gulley trap/ over storm water drain and other required places manufactured by M/s.KK or equivalent etc. all complete as directed.	3	Each	9679.00	29037.00
41	Providing and fixing 600mm x 600mm square Heavy duty Composite FRP grating covers with frame for inspection chamber / manhole / gulley trap/ over storm water drain and other required places manufactured by M/s.KK or equivalent etc. all complete as directed.	424	Each	9909.00	4201416.00
42	Providing and fixing 900mm x 900mm rectangular Heavy duty Composite FRP grating covers with frame for inspection chamber / manhole / gulley trap/ over storm water drain and other required places manufactured by M/s.KK or equivalent etc. all complete as directed.	93	Each	15429.00	1434897.00
43	Providing lowering, and laying 150mm dia NP2 class R.C.C. spun pipes conforming to IS 458 of 300 mm dia (n.b) with necessary collars, laid to correct grade, alignment and levels at all depth including cutting to required length, jointing with hemp yarn and cement mortar 1:2 caulking the joints, finishing, curing etc. complete as directed.	300.00	Rmt	408.97	122689.69

44	Providing lowering, and laying 250mm dia NP2 class R.C.C. spun pipes conforming to IS 458 of 300 mm dia (n.b) with necessary collars, laid to correct grade, alignment and levels at all depth including cutting to required length, jointing with hemp yarn and cement mortar 1:2 caulking the joints, finishing, curing etc. complete as directed.	840.00	Rmt	552.68	464253.37
45	Providing and laying 150 mm inner diameter ISI approved HDPE pipes manufactured by ARHAM Engineering/ BERLIA /NOCIL / PIL with wall thickness from 10mm to 14mm for drainage pipe line with all required fittings etc. with proper line and gradient connecting all joints with fusion butt welding by using suitable welding machine or hot plate etc, testing the line & joints with smoke test method as per manufacturer specification or as per direction of Engineer In-charge etc. all complete as directed.	954.00	Rmt	1773.00	1691442.00
46	Providing lowering, and laying 300mm dia NP2 class R.C.C. spun pipes conforming to IS 458 of 300 mm dia (n.b) with necessary collars, laid to correct grade, alignment and levels at all depth including cutting to required length, jointing with hemp yarn and cement mortar 1:2 caulking the joints, finishing, curing etc. complete as directed.	8.00	Rmt	594.53	4756.25
47	Providing and fixing factory made kerbstone of size 500 x 400 x 150 mm in M-25 grade of concrete using design mix minimum cement content as per IS 456 for the moderate exposure condition excluding P.C.C (1:1 1/2:3) 100mm thick bedding, fixing the kerb stone over P.C.C bedding and grouting the joints with 1:3 cement mortar to the required line, level, curing, one coat of primer and two coat of synthetic enamel paint etc. complete ( Rate excluding excavation ) (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).NOTE:- Excavation and M-20 bed pcc for kerb stone will be paid saperately under respective items.	1228.00	Rmt	384.00	471552.00

48	Providing and fixing factory made water table of size 500 x 400 x 100 mm in M-25 grade of concrete using design mix minimum cement content as per IS 456 for the moderate exposure condition including P.C.C (1:1 1/2:3) 100mm thick bedding fixing the watertable over PCC bedding and grouting the joints with 1:3 cement mortar to the required line, level, curing etc. complete( Rate excluding excavation ) .NOTE:- Excavation and M-20 bed pcc for water table will be paid saperetely under respective items.	1228.00	Rmt	242.00	297176.00
49	Providing second class burnt brick masonry with IS approved quality well burnt bricks having crushing strength of 35 N/mm <sup>2</sup> and maximum water absorption of 20% in cement mortar 1:6 in superstructure including striking joints, racking out joints, watering and scaffolding complete.	12.00	m3	6651.57	79818.81
50	Providing uncoursed rubble masonry (using IITB stones) of trap stones in cement mortar 1:6 (Cement:sand/grit) including racking out joints when plastering is to be done, striking out joints, watering and pointing with cement mortar 1:3 on outside exposed faces, including providing M-20 grade concrete block header @ 1 header per sqm. to the full thickness of wall, providing weep holes, with 100mm dia P.V.C pipes including collecting and transporting stone from various locations from IIT Campus upto working site, cutting stones/ bouldres in piceses as per requirement, scaffolding etc. complete as directed.	45.00	m3	3275.00	147375.00
51	Providing uncoursed rubble masonry of trap stones in cement mortar 1:6 (Cement:sand/grit) including racking out joints when plastering is to be done, striking out joints, watering and pointing with cement mortar 1:3 on outside exposed faces, including providing M-20 grade concrete block header @ 1 header per sqm. to the full thickness of wall, providing weep holes with 100mm dia P.V.C pipes etc. all complete as directed.	23.00	m3	4546.95	104579.80

52	Providing and laying dry trap / rubble stone pitching to the sloping side in average 200 to 300mm thickness including cuffing, dressing and levelling the undulation of sloping surface, making uniform slope in line and level, laying stone pitching in line level etc. including removing loose earth, cleaning compacting the base providing and fixing 100mm dia. P.V.C pipe for weep holes at in 1m. c/c in staggered position if required.	1604.00	m2	565.00	906260.00
53	Providing and fixing precast RCC slab for drain cover and chamber cover of required size with M-25 grade concrete and reinforced with 10mm dia main steel bars (along shorter span) and 8mm. dia distribution bars (along longer span) at 100mm center to center including making steel form work, making temporary concrete platform for casting, compaction using surface vibrator, with two lifting hooks of 6mm dia / holes of 25mm dia finishing the surface with smooth cement finish curing, placing the precast slab in proper position etc. complete as directed.	0.50	m3	15380.00	7690.00
54	Providing and fixing in position tor steel bar having grade Fe-500D or more for reinforcement of various diameters for R.C.C. footings, foundations, slabs, beams, columns, canopies, staircases, chajjas, lintels, pardies, coping, fins, dowel bars with sleeve, tie bar, any other required work etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required completed as directed.	430143.00	Kg	63.40	27272294.66
55	Providing and laying integral cement based treatment for waterproofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : i) Ist layer of 22mm to 25mm thick approved and specified shahabad stone slab over a 25mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound 2% by weight of cement conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. ii) 2nd layer of 25mm thick cement mortar 1:3 (1 cement: 3 coarsesand) mixed with water proofing compound in recommended proportions. As directed by Engineer Incharge.	31.00	m2	1166.65	36166.06

56	Providing and laying integral cement based treatment for waterproofing on vertical surface by fixing rough shahabad stone slab 22mm to 25mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportion with a gap of 20mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 Cement : 3 coarse sand) 20mm thick with neat cement punning mixed with waterproofing compound in recommended proportion complete at all levels and as directed by Engineer in charge.	80.00	m2	1436.94	114955.23
57	Providing and fixing precast medium duty RCC covers with RCC frame having clear opening 560mm dia. and frame overall size 770mm dia. having test load 10 MT as per IS 12592 part - I and II manufacturer by KK etc. completed as directed.	2	Nos	1168.00	2336.00
58	Providing internal cement plaster 20mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces in all positions with the use of step ladder and curing complete.	6132	m2	275.34	1688373.11
59	Providing waterproof plaster in WC 20mm thick for in cement mortar 1:3 with neat finishing, floating using waterproofing compound at the rate of 2% by weight of cement	32.00	m2	478.00	15296.00

60	Providing sand face plaster externally using approved screened sand in all positions including base coat of 15mm thick in cement mortar 1:4 using water proofing compound per cement bag as per manufacturer specification and curing the same for not less than two days and keeping the surface of base coat rough to receive the sand faced treatment not to exceed 8mm thick in cement mortar 1:4 using water proofing compound per cement bag as per manufacturer specification as per manufacturer specification, finishing the surface by taking out grains and curing for 14 days, scaffolding etc. complete.	14.00	m2	634.00	8876.00
61	Providing and fabricating structural steel works in rolled sections like joists, channels, angles, tees, hollow sections and any other required sections etc. as per detailed designs & drawings for supports, rafters, purlins, railing, staircase and any other work including fixing in position with connecting plates, braces and welding, riveting, bolting as necessary scaffolding etc. complete.	15806.00	kg	67.01	1059229.78
62	Providing and laying in trenches 300 mm dia (n.b) spigot & socket type pipes centrifugally cast (spun) Ductile Iron pipes, water quality conforming to I.S. 8329, providing push on joints specification including lowering down in trenches, connecting with existing and new lines etc. including cutting to length as per requirement, placing in position to correct line and alignment for jointing, testing the pipes and joints using smoke test after making necessary joints etc. complete. (joints will be paid separately).	15.00	Rmt	3928.97	58934.56
63	Providing and laying in trenches 300 mm dia (n.b) flanged type pipes centrifugally cast (spun) Ductile Iron pipes, water quality conforming to I.S. 1536 specification including lowering down in trenches, connecting with existing and new lines, pumps etc. including cutting to length as per requirement, placing in position to correct line and alignment for jointing, testing the pipes and joints testing the pipes and joints using smoke test after making necessary joints etc. complete. (joints will be paid separately).	5.00	Rmt	5448.35	27241.73

64	Providing and laying in trenches 200 mm dia (n.b) spigot & socket type pipes centrifugally cast (spun) Ductile Iron pipes, water quality conforming to I.S. 8329 specification, providing push on joints including lowering down in trenches, connecting with existing and new lines etc. including cutting to length as per requirement, placing in position to correct line and alignment for jointing, testing the pipes and joints using smoke test after making necessary joints etc. complete. (joints will be paid separately).	25.00	Rmt	2268.80	56720.05
65	Providing and laying in trenches 200 mm dia (n.b) flanged type pipes centrifugally cast (spun) Ductile Iron pipes, water quality conforming to I.S. 1536 specification including lowering down in trenches, connecting with existing and new lines, pumps etc. including cutting to length as per requirement, placing in position to correct line and alignment for jointing, testing the pipes and joints testing the pipes and joints using smoke test after making necessary joints etc. complete. (joints will be paid separately).	5.00	Rmt	2987.39	14936.93
66	Providing and laying in trenches 150 mm dia (n.b) spigot & socket type pipes centrifugally cast (spun) Ductile Iron pipes, water quality conforming to I.S. 8329 specification, providing push on joints including lowering down in trenches, connecting with existing and new lines etc. including cutting to length as per requirement, placing in position to correct line and alignment for jointing, testing the pipes and joints using smoke test after making necessary joints etc. complete. (joints will be paid separately).	5.00	Rmt	1649.10	8245.52
67	Providing and laying in trenches 150 mm dia (n.b) flanged type pipes centrifugally cast (spun) Ductile Iron pipes, water quality conforming to I.S. 1536 specification including lowering down in trenches, connecting with existing and new lines, pumps etc. including cutting to length as per requirement, placing in position to correct line and alignment for jointing, testing the pipes and joints testing the pipes and joints using smoke test after making necessary joints etc. complete. (joints will be paid separately).	5.00	Rmt	2369.98	11849.91

68	Providing and fixing best Kirloskar make 300mm dia. PN1.6 non rising C. I. sluice valve with flanged ends conforming to I.S. specification and IS mark embossed on the body by moulding, including fixing, jointing etc. complete. (joints and tail pieces will be paid separately) and testing.	2	Nos	89411.00	178822.00
69	Providing and fixing best Kirloskar make 200mm dia. PN1.6 non rising C. I. sluice valve with flanged ends conforming to I.S. specification and IS mark embossed on the body by moulding, including fixing, jointing etc. complete. (joints and tail pieces will be paid separately) and testing hydraulically with a pressure upto 10 kg. / sq. cm.	4	Nos	49329.00	197316.00
70	Providing and fixing best Kirloskar make 80mm dia. C. I. sluice valve with flanged ends conforming to I.S. specification and IS mark embossed on the body by moulding, including fixing, jointing etc. complete. (joints and tail pieces will be paid separately) and testing hydraulically with a pressure upto 10 kg. / sq. cm.	1	Nos	12198.00	12198.00
71	Providing and fixing best Kirloskar make 150mm dia. PN10 non rising C. I. sluice valve with flanged ends conforming to I.S. specification and IS mark embossed on the body by moulding, including fixing, jointing etc. complete. (joints and tail pieces will be paid separately) and testing hydraulically with a pressure upto 10 kg. / sq. cm.	1	Nos	21456.00	21456.00

72	Providing and fixing best Kirloskar make 300mm dia. PN10 C.I. non-return valve with flanged ends conforming to I.S. specification and IS mark embossed on the body by moulding, including fixing, jointing etc. complete. (joints and tail pieces will be paid separately) and testing hydraulically with a pressure up to 10 Kg / Sq. cm.	2	Nos	43271.00	86542.00
73	Providing and fixing best Kirloskar make 200mm dia. PN10 C.I. non-return valve with flanged ends conforming to I.S. specification and IS mark embossed on the body by moulding, including fixing, jointing etc. complete. (joints and tail pieces will be paid separately) and testing hydraulically with a pressure up to 10 Kg / Sq. cm.	4	Nos	24209.00	96836.00
74	Providing and fixing best Kirloskar make 150mm dia. PN10 C.I. non-return valve with flanged ends conforming to I.S. specification and IS mark embossed on the body by moulding, including fixing, jointing etc. complete. (joints and tail pieces will be paid separately) and testing hydraulically with a pressure up to 10 Kg / Sq. cm.	1	Nos	14443.00	14443.00
75	Providing and fixing best Kirloskar make 80mm dia. PN10 C.I. non-return valve with flanged ends conforming to I.S. specification and IS mark embossed on the body by moulding, including fixing, jointing etc. complete. (joints and tail pieces will be paid separately) and testing hydraulically with a pressure up to 10 Kg / Sq. cm.	1	Nos	8945.00	8945.00

76	Providing and laying water quality cast iron specials and fittings like tees, bends, collars, reducers, tail pieces etc. for pressure pipes conforming to IS : 1538, laying in correct position and alignment etc. complete including testing hydraulically with a pressure upto 10 kg / sq. cm, after jointing (flanged type and S.S. type).	100.00	Kg	121.00	12100.00
77	Providing and laying water quality ductile iron class K-12 specials and fittings like tees, bends, collars, reducers, tail pieces etc. for pressure pipes conforming to IS : 9523, laying in correct position and alignment etc. complete including testing hydraulically with a pressure upto 10 kg / sq. cm, after jointing (flanged type and S.S. type).	100.00	Kg	192.00	19200.00
78	Providing and fixing mild steel fabricated specials with approximately 10mm thick plate, cutting the plates, bending, (making from seamless pipe), fabricating in required size and shape with necessary flanges etc. with all joints water tight, providing and applying anticorrosive painting, fixing in proper line and level complete including testing hydraulically with a pressure upto 10 kg / sq. cm. etc. complete.	100.00	kg	245.00	24500.00
79	Providing and making lead caulked joints of 300 mm dia pipe joints with not less than 6.80 Kg. lead per joint. to pipes and specials including cost of pig lead, spurn yarn, fuel, labour, lead pouring, caulking etc complete including testing the pipes and joints hydraulically with a pressure upto 10 kg. / sq. cm.	4	Nos	2606.00	10424.00

80	Providing and making lead caulked joints of 200 mm dia pipe joints with not less than 5.00 Kg. lead per joint. to pipes and specials including cost of pig lead, spurn yarn, fuel, labour, lead pouring, caulking etc complete including testing the pipes and joints hydraulically with a pressure upto 10 kg. / sq. cm.	4	Nos	2025.00	8100.00
81	Providing and making lead caulked joints of 150 mm dia pipe joints with not less than 3.40 Kg. lead per joint. to pipes and specials including cost of pig lead, spurn yarn, fuel, labour, lead pouring, caulking etc complete including testing the pipes and joints hydraulically with a pressure upto 10 kg. / sq. cm.	2	Nos	1532.00	3064.00
82	Providing and making lead caulked joints of 80 mm dia pipe joints with not less than 1.80 Kg. lead per joint. to pipes and specials including cost of pig lead, spurn yarn, fuel, labour, lead pouring, caulking etc complete including testing the pipes and joints hydraulically with a pressure upto 10 kg. / sq. cm.	2	Nos	769.00	1538.00
83	Making flanged joints to double flanged of size 80mm to upto and including 150mm for cast iron/ ductile iron pressure pipes, specials, valves etc. including drilling holes on flanges, providing all jointing materials like rubber insertion (gasket), nut and bolt etc. testing the pipes and joints hydraulically with a pressure upto 10 kg. / sq. cm all complete.	2	Nos	474.00	948.00

84	Making flanged joints to double flanged of size above 150mm to upto and including 300mm for cast iron/ ductile iron pressure pipes, specials, valves etc. including drilling holes on flanges, providing all jointing materials like rubber insertion (gasket), nut and bolt etc. testing the pipes and joints hydraulically with a pressure upto 10 kg. / sq. cm all complete.	14	Nos	1191.00	16674.00
85	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) :Flush/ruled pointing in proper line and level all complete.	1604.00	m2	193.13	309784.06
86	Providing and fabricating structural steel works in extruded hollow sections like joists, channels, angles, tees, square and rectangular bars and any other required sections etc. as per detailed designs & drawings for gate, grill and any other work including fixing in position with connecting plates, braces and welding, riveting, bolting as necessary including scaffolding etc. complete.	200.00	kg	144.00	28800.00
87	Providing and applying one coat of Berger Protectomastic self priming high build coating, solvent borne zinc rich primer, having thickness as per manufacturer specification including preparing the surface by thoroughly removing grease, oil and other containments preferably by using Bison degreasing solvent, using mechanical tools along with manual chipping and wire brushing to remove loose rust, thoroughly dust down all surfaces, followed by one coat of Epilux – 4 High Build Epoxy finish having thickness as per manufacturer specification followed by two coats of acrylic polyurethane enamel paint of Bergerthane finish of Berger having thickness as per manufacturer specification including tools, taking all safety measures etc complete..	16.00	m2	564.00	9024.00

88	Providing and applying one coat of acrylic primer and two coats of exterior acrylic paint of approved colour & shade of IITB approved manufacturer i.e. Berger, Asian, Killick Nixon, Goodlass, Nerolac, ICI, Decocem and as per manufacturer's specification on old or new plastered surface over concrete / brickwork, stonework as per manufacturer's specification including scaffolding and cleaning the surface thoroughly with coir brush, watering the surface etc. complete including covering the floor, window glass with plastic sheet etc. all complete as directed by Engineer In-charge.	3072.00	m2	110.12	338300.21
89	Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/ yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc complete. (Two or more coats)	11.00	m2	152.60	1678.63
90	Providing and applying 2.5 mm thick road marking strips (retroreflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable Specifications.	395.00	m2	448.58	177188.34
91	Disposing debris, loose stones, boulders, concrete pieces broken etc. collected and stacked as directed including loading in trucks, transporting out of IIT Campus including obtaining approval from Government/ private land owners for disposing off on to their approved location. The contractor will be solely responsible for disposing debris out of campus and the debris are to be removed from site within 72 hours from stacking (30% voids will be deducted from actual measurement for debris, loose stones, boulders, concrete pieces).	27.00	m3	688.00	18576.00

92	Removing excavated earth or debris including loading in trucks and conveying to approved dumping point in IITB campus unloading spreading etc. complete. 30% voids will be deducted in case of truck measurement.	14151.00	m3	181.00	2561331.00
93	Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acryloretrite ) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degrees to base .The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge.	416.00	Nos	182.41	75883.47
94	Providing and fixing post delineators made of ABS round body fitted with 2 nos 100 mm dia high reflective reflectors and mounted on MS pipe of 65 mm dia duly powder coated anti-rust and anti theft steel to be installed as per direction of Engineer-in-charge.	124.00	Each	635.75	78832.80
95	Constructing conical manhole chambers of size 1500mm internal diameter at bottom and 525mm internal diameter at top in conical shape upto 1500mm depth with brick masonry circular wall 340mm thick and below 1500mm depth in cylindrical shape wall with 450mm thick in cement mortar 1:6 over abed of 230mm thick cement concrete M-20 (1:1½:3) foundation square in plan with 150mm minimum offset beyond masonry wall plastering with cement mortar 1:4, 20mm thick on internal, external and all exposed faces, finished with floating coat of neat cement, including necessary cement concrete M-20 (1:1½ :3) for forming benching and channel, providing and fixing C.I. steps weighing not less than 3.50 Kg. fixing top one at 450mm from top level and remaining steps at 300mm vertical spacing in staggered fashion, including providing and fixing precast R.C.C. frame and cover of suitable diameter, medium duty, manufactured by K.K or equivalent as approved by Engineer Incharge and fixing with cement concrete coping M-20 (1:1½ :3) and plastering complete including necessary dewatering, if required etc for Man holes of depth up to 1800mm.	8	Nos	39118.00	312944.00

96	Extra over item No.95 for depth beyond 1800mm in cylindrical shape of 1500mm diameter with 450mm thick brick masonry wall in cement mortar 1:6, providing and fixing C.I. steps, plastering, finishing, dewatering etc. all as specified in item No. 14 above and as directed.	4.00	Rmt	10834.00	43336.00
97	Constructing conical manhole chambers of size 900mm internal diameter at bottom and 525mm internal diameter at top with brick masonry circular wall 340mm thick in cement mortar 1:6 over a bed of 200mm thick cement concrete M-20 (1:1½ :3) foundation square in plan with 150mm minimum offset beyond masonry wall, plastering with cement mortar 1:4, 20mm thick on internal, external and all exposed faces, finished with floating coat of neat cement, including necessary cement concrete M-20 (1:1½ :3) for forming benching and channel, providing and fixing C.I. steps weighing not less than 3.50 Kg. fixing top one at 450mm from top level and remaining steps at 300mm vertical spacing in staggered fashion, including providing and fixing precast R.C.C. frame and cover of suitable diameter, medium duty, manufactured by K.K or equivalent as approved by Engineer Incharge and fixing with cement concrete coping M-20 (1:1½ :3) and plastering complete including necessary dewatering, if required etc. for man holes of depth upto 1500mm.	1	Nos	24210.00	24210.00
98	Providing and fixing PE 100 & PN 6 having 315mm dia.(OD) ISI approved HDPE pipes manufactured by ARHAM Engineering/BERLIA /NOCIL / PIL/ SUPREAM with wall thickness of 15mm for drainage pipe line with all required fittings etc. with proper line and gradient connecting all joints with fusion butt welding by using suitable welding machine or hot plate etc, testing the line & joints as per manufacturer specification or as per direction of Engineer In-charge etc. all complete as directed by Engineer In-charge.	103.00	Rmt	3117.00	321051.00
99	Providing and laying in trenches 32 mm dia nominal bore I.S.I. approved 'C' class galvanized iron pipe having weight as per IS specification with screwed sockets, joints, and necessary galvanized iron fittings such as backnuts, elbows, bends, tees, reducers, enlargers, plugs, etc. including providing and applying two coats of oil paint with one coat of primer including trenching and refilling etc. complete or as directed.	10.00	Rmt	283.65	2836.50

100	Providing and laying in trenches 40 mm dia nominal bore I.S.I. approved 'C' class galvanized iron pipe having weight as per IS specification with screwed sockets, joints, and necessary galvanised iron fittings such as backnuts, elbows, bends, tees, reducers, enlargers, plugs, etc. including providing and applying two coats of oil paint with one coat of primer including trenching and refilling etc. complete or as directed.	10.00	Rmt	345.16	3451.61
101	Providing and laying in trenches 50 mm dia nominal bore I.S.I. approved 'C' class galvanized iron pipe having weight as per IS specification with screwed sockets, joints, and necessary galvanised iron fittings such as backnuts, elbows, bends, tees, reducers, enlargers, plugs, etc. including providing and applying two coats of oil paint with one coat of primer including trenching and refilling etc. complete or as directed.	10.00	Rmt	392.91	3929.14
102	Providing and fixing heavy duty capsule hinges for M.S gate including fixing with gate with necessary welding etc. completed as directed.	8	No	352.00	2816.00
103	Providing and fixing signboards with 3mm thick ACP sheet & radium sticker background including pasting, computerized designing & radium sticker cutting and pasting, fixing etc. all complete as directed by Engineer in charge.	5.00	m2	5557.00	27785.00

104	Manufacturing, supplying and fixing retro reflective sign boards of Mandatory/ Regulatory sign boards of 900 mm diameter with support length of 3750 mm made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bilingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm to a vertical post made up to M.S. Tee section ISMT 50x50x6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in black and white colours).Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing, specification and direction of Engineer--in-charge.	5	Each	5487.67	27438.36
105	Manufacturing, supplying and fixing retro reflective sign boards of Cautionary /warning sign boards of equilateral triangular shape having each side of 900 mm with support length of 3650 mm made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bilingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm to a vertical post made up to M.S. Tee section ISMT 50x50x6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in black and white colours).Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing, specification and direction of Engineer--in-charge.	2	Each	3971.62	7943.24
106	Finishing with Epoxy paint (two or more coats) over concrete surface at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.	117.00	m2	142.74	16700.86
107	Providing and fixing plain pre-coated galvalume sheet for hinged covering having thickness 0.60mm of Jindal Make of required colour along with necessary accessories like self drilling and tapping screws with weather cap with all leads and lift etc. complete as directed.	9.00	m2	920.00	8280.00

108	Providing and fixing 75mm dia. centrifugal cast iron (spun) vent pipes with necessary fixtures and fittings such as bends, tees, single junctions, double junctions, slotted vent, cowl on top, offsets on walls or in the ground including filling joints with cement mortar 1:2 and two coats of anticorrosive paint including fixing the pipe including necessary scaffolding complete or as directed.	6.00	Rmt	1011.00	6066.00
109	Providing and laying water proofing cement concrete flooring to terraces to average 50mm thick with 1:2:3 cement concrete laid to proper level and slope using silt free clear river sand including compaction, filling joints, adding recommended waterproofing admixtures @ 2% by weight of cement, marking lines to give appearances of tiles of 30cm x 30cm or other approved size laid diagonally / square, finishing with extra cement in any colour as directed, testing the roof by ponding with water for 14 days, providing waterproofing guarantee for 7 (seven) years in requisite non judicial stamp paper in favour of IITB including all lead and lift etc. complete.	6.50	m2	601.00	3906.50
110	Constructing chambers of internal clear dimensions 900mm x 600mm with 230mm thick brick masonry wall in cement mortar 1:6 over abed of 150mm thick cement concrete M-20 (1:1½:3) foundation with 150mm minimum offset beyond masonry wall plastering with cement mortar 1:4, 12mm thick on internal, external and all exposed faces, finished with floating coat of neat cement including providing and fixing precast R.C.C. frame and cover of suitable size, medium duty (weight carrying capacity of 300 Kg/m2), manufactured by KK Industries or equivalent as approved by Engineer Incharge and fixing with cement concrete coping M-20 (1:1½ :3) and plastering complete including necessary dewatering, if required etc. for chambers of depth upto 1000mm.	1.00	Nos	11353.00	11353.00
111	Providing and fixing hand rail of using 'C' class G.I pipe approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer and two cost of synthetic enamel paint.	100.00	kg	114.94	11493.92

112	Detailed survey shall be undertaken using DGPS/Total Station. The contour points will be marked at an adequate number of location at site. All existing above ground features such as buildings, structures, permanent / temporary features, roads, adjoining roads (inclusive width), divider, footpaths, trees (girth inclusive), manhole, light poles, wells, bore wells, and any other existing features within the survey limit will be captured in the survey and final printout (one set) showing all the list of symbols & abbreviations will be submitted in suitable scale along one soft copy .	20.00	Acre	7500.00	150000.00
113	Spot levels shall be taken as per topography of the land w.r.t. to Temporary bench mark. Contours shall be interpolated at 0.50 m. Preparing AutoCAD format drawing and final printout (one set) showing all the list of symbols & abbreviations will be submitted in suitable scale along one soft copy and X,Y,Z description survey data file in XLS format.	20.00	Acre	7500.00	150000.00
114	Providing and fixing 32mm dia. nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) with required fittings and fixtures etc. completed as directed.	1	Nos	574.12	574.12
115	Providing and fixing 40mm dia. nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) with required fittings and fixtures etc. completed as directed.	1	Nos	670.37	670.37

116	Providing and fixing 50mm dia. nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) with required fittings and fixtures etc. completed as directed.	1	Nos	859.78	859.78
117	Providing and applying one priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering etc. with the use of stepladder.	365.00	m2	33.36	12177.82
118	Providing and applying two coats of synthetic enamel paint of IITB approved brand and shade to wood and steel work with the use of step ladder including scrapping, cleaning, covering the floor, windows, instruments during painting etc. complete.	365.00	m2	89.89	32808.97
119	Providing and fixing in position stainless steel grating fabricated using stainless steel 50x50x4mm angle for frame and 2' C/C spacing vertically, providing and fixing 10mm dia. stainless steel bars vertically at 25mm C/C towards width of grating over angle frame including continuous welding, Providing and fixing 2 nos. of hooks at top of required size for holding grating etc. completd as directed. Satinless steel sections should be 304 grade.	5.00	m2	15800.00	79000.00

120	Providing and laying 50mm dia. P.V.C. pipes conforming to I.S. in trenches or for sleeve including proper slope etc. completed as directed.	10.00	Rmt	122.00	1220.00
Gross Total Amount Rs. (120 points)					₹ 145,763,231.82
Say Rs.					₹ 145,763,232.00
At Par					
(In words.....%) (In figures.....%) Above					
(In words.....%) (In figures.....%) Below					
Bidders Gross Total Amount Rs.					
CGST 9%					
SGST 9%					
Bidders Net Total Amount Rs.					
Say Rs.					

(Rupees in words \_\_\_\_\_)

(Percentage for above/below, rates for all items / net amount / total to be filled in words as well as in figures, it should be mention clear & correct. If it is not done or found incomplete, it will be assumed as incomplete tender submitted by the agency & tender opening committee may reject your offer at the time of opening of tenders / quotations).

Note:

- 1) If you will engage labourer 20 or more any day, you have to get labour licence as per contract Regulation & Abolition Act 1970 Rule 1971, and also, you have to keep all such record for inspection to the Principal Employer. If you will engage labour up to 10 Nos. per day, you have to file returns after completion of work as per Building & Construction Act to the Office of Regional Labour Commissioner (Central), Sion, Mumbai.
- 2) This schedule of work is legal documents of Estate Office, IIT Bombay and directed to enlisted contractors to get the copy of schedule of work to fill the rates and can submit his offer. No changes in schedule of work is allowed i.e. item description, units, quantity, rates, etc. If noticed his offer will be rejected and the contractor will be blacklisted or any other strict action will be initiated against him.
- 3) This work is to be executed as per the the clauses mentioned in the tender document signed by you. In addition to the existing safety clause of the tender documents a penalty of Rs. 5,000/- (per case) will be recovered from the bills of the particular work, in case any safety violations are noticed.
- 4) Tender will be rejected if white ink applied for correction in the schedule of work.
- 5) Taxes as per government notification time to time.
- 6) Contractor must pay GST Taxes to concern authority within 30 days time limit after receipt of payment from IIT Bombay & said record must be submitted to IIT Bombay Accounts Section, otherwise action will be taken as deemed fit.
- 7) If any malpractices / fraud / negligent professional behaviour or any discrepancy / inconsistency / disparity / deviation / disagreement / dissimilarity / mismatch noticed, their contract will be terminated by issuing one month notice by following legal procedure and will be blacklisted and informed to all Government Authorities and Organisations.

*A. Shyam*  
15/12/2022

Superintending Engineer

Signature of the Contractor  
Name & Address in full

*12/14/12*