

Name of the Work: Relocating the existing Parking Cafeteria to the eastern side of campus, adjacent to Nalla

Schedule of Quantities

Sl. No.	Description	Units	Qty	Rate	Amount
1	Clearing Jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30cm measured at a height of 1m above ground level and removal of rubbish up to a distance of 50m outside the periphery of the area cleared. (NOTE: If however, only grass is met with, the area will be measured and paid for, under as a separate item.)	Sqm	160.00		
2	Felling trees of the following girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots, filling the pit and depression, stacking of the serviceable materials and disposal of unserviceable material etc., as directed for: Beyond 30cm up to including 60cm girth.	No's	1.00		
3	Providing and injecting chemical emulsion for pre-constructional Anti-termite treatment and creating a chemical barrier on top surface of plinth filling, junction of inside wall and floor, on top of Damp Proof Course (DPC) or on masonry at the level of plinth filling as per IS 6313(part-II)-1981 using chemicals like Chloropyripos emulsifiable (IS: 8944-1978) 20EC mixed with water in 1:19 ratio (i.e., 1 litre of Chemical to 19 litres of water). The emulsion is spread at 5 lit/sqm on top surface of plinth filling, top of Damp proof course and at 1 lit/linear meter along the junction of wall and floor, all as per specifications and directions. (Plinth area of the building at Ground floor only shall be measured)	Sqm	160.00		
4	Earthwork in excavation by mechanical means (hydraulic excavator) / manual means for FOUNDATION TRENCHES in ALL KINDS OF SOILS including dressing of sides, ramming of bottom, disposing the surplus excavated materials within a distance of 50m and lift 1.50m complete as per specifications. (Disposed soil to be levelled by breaking clods if any and neatly dressed).	Cum	26.00		
5	Filling available excavated approved earth (excluding rock) in trenches, sides of foundations, plinth, etc; in layers not exceeding 15cm depth breaking clods, consolidating each deposited layer by ramming, watering and dressing, etc; complete for lead up to 50m and all lifts etc., complete as per specifications.	Cum	12.50		

Sl. No.	Description	Units	Qty	Rate	Amount
6	Earthwork in SURFACE EXCAVATION in ALL KINDS OF SOILS not exceeding 30cm in depth but exceeding 1.50m in width as well as 10sqm on plan wherever necessary and disposal of excavated earth, lead up to 50m and lift up to 1.50m (disposed soil to be levelled and neatly dressed) complete as per specifications.	Sqm	160.00		
7	SURFACE DRESSING of the ground IN ALL KINDS OF SOILS including removing vegetation and inequalities not exceeding 15cm depth and disposal of rubbish lead up to 50m and lift up to 1.50m (disposed earth to be levelled by breaking clods if any and neatly dressed) etc; complete all as per specifications.	Sqm	160.00		
8	Providing and constructing SIZE STONE MASONRY using hard granite stones obtained from approved quarry with edges of stones hammer dressed in courses not less than 20cm with bond stones at 2m apart in each course including curing, raking out joints and simultaneously flush pointing with the same mortar etc; complete all as per specifications IN FOUNDATION AND PLINTH. (The mix ratio specified is for cement : coarse river sand) In cement mortar 1:6	Cum	10.00		
9	Providing and constructing BRICK MASONRY in cement mortar as per mixes stipulated below using approved well burnt bricks of class designation (Classification as per IS 1077-1986) as specified below including raking out joints 10mm deep, scaffolding, curing, etc; complete as per specifications IN SUPERSTRUCTURE UPTO FLOOR FIVE LEVEL. (The mix ratio specified is for cement : coarse river sand)Using MACHINE PRESSED WIRE CUT BRICKS of class designation NOT LESS THEN 10 (Minimum average compressive strength not less than 10N/sqmm) in cement mortar 1:4	Cum	7.00		
10	Providing and laying cement concrete PCC 1:4:8 using 40mm nominal size graded hard granite stone aggregate obtained from approved quarry including compaction, finishing top surface to level, curing, cost of formwork, etc; complete as per specifications. Mix ratio specified is for cement : coarse river sand : graded stone aggregate. IN FOUNDATION AND PLINTH/SUB-BASE TO FLOORS.	Cum	3.50		
11	Providing and laying cement concrete PCC 1:2:4 using 20mm nominal size graded hard granite stone aggregate obtained from approved quarry including compaction, finishing top surface to level, curing, cost of formwork, etc; complete all as per specifications. Mix ratio specified is for cement : coarse river sand : graded stone aggregate. IN FOUNDATION AND PLINTH/SUB-BASE TO FLOORS.	Cum	4.50		

Sl. No.	Description	Units	Qty	Rate	Amount
12	Supplying, fabricating, assembling, hoisting / erecting and fixing in position at all heights and with all leads, structural steel works of welded built-up sections, all as per structural drawings and as per detailed specifications (for materials and workmanship) in the situations described hereinafter including a) cutting of components to required lengths / widths and shapes/profiles, b) smooth machining of edges / faces, c) welding (electric arc welding) at joints of built-up sections/ single sections for required weld lengths and sizes and d) painting all over with two coats of Synthetic enamel paint of approved quality, make and colour/shade over one coat of red oxide zinc chromate primer with surfaces duly prepared to receive painting etc., complete all as directed by the engineer-in-charge.				
	NOTE : The contractor shall submit fabrication shop drawings for work involved based on construction drawings (that may be issued during construction period) for approval by engineer-in-charge. The fabrication work shall start only after approval to the fabrication drawings. Any change required in the fabrication drawings shall be carried out at no extra cost over the quoted rates. Fabrication shall be in a perfectly workmanship like manner and as provided in Section V and VI of IS 800 and IS 7215. Welding shall be carried out by qualified welders. Electrodes for welding, the procedure, selection, test and inspection shall conform to provisions in IS 816, IS 818, IS 822, and IS 833. Erection/hoisting shall commence only after passing of fabricated parts by the engineer-in-charge.				
12.1	Structural steel works of built up and framed Stanchions / Columns / Trusses / Girders / Portals etc., in welded built up sections fabricated with RS Joists (ISMB/ ISWB/ ISHB)	Mt	0.30		
12.2	Structural steel works and welded built up sections with MS Plates of any thickness	Mt	0.05		
12.3	Hot finished seamless type tubes	Mt	3.20		
13	Supplying and fixing/tyeing in position 25/32mm dia bamboo horizontals/incline supports for bamboo huts including necessary labours, bamboo pins/nails, wires, etc., complete as per drawings specification etc. complete as per EIC	Rmt	825.00		

Sl. No.	Description	Units	Qty	Rate	Amount
14	Providing and laying cement concrete ROSA COMETA paver blocks flooring using 120mm thick blocks of gery colours manufactured by M/s. BASANT BETONS, close jointed over bed of 75mm thick river sand to a tight pattern, laid to proper line and level including bedding down the completed surface with a plate vibrator or by firmly topping level with mallet and a large flat piece of timber, finishing by brushing clean dry sand over the surface to fill all the joints thoroughly including fixing the edge restraint laying blocks etc., complete all as per manufacturers specifications and directions of engineer-in-charge. (Rate to include cost of paver blocks, sand and labour etc.). The arrangement of pattern of blocks shall be as per architectural drawings.	Sqm	160.00		
15	Providing and laying 16 to 18mm thick +1mm tolerance mirror polished granite stone slabs flooring of approved colour and shade using mirror polished granite stone slabs of size 1800mm x 1200mm / 1800mm x 2400mm and smaller sizes as per the site conditions (cut from the bigger sizes of mirror polished water jet cut stone slab stone slab of approximate size 6.5ft x 10.5ft) approved colour / texture and pattern of RANDOM GRANITE SLABS, water cut quality, machine cut to required size, laid over a bed of 20mm thick cement mortar 1:6 and cement slurry at the rate of 4.4kg/sqm for bedding and jointing including grouting the joints with pigments to match the shade of the slabs, finishing to required level, curing, cleaning, mopping, etc; complete all as per specifications at all heights in all floors. In Staircase risers / treads /Counter tops/ Copings with Lacca red / Greenpal / Tropical brown / Jet black colour.	Sqm	19.00		
16	Providing Bevelled edge Chamfering and polishing at edges , corners, junctions etc., of granite with proper templates or battens to the required size etc., complete all as per specification.	Rmt	115.00		
17	Providing and fixing two line dressed 130X130mm X up to 1000mm height granite stone post embedded in concrete etc., complete as per specification, drawing and as directed by EIC.(Concrete will be measured in separate item).	No	2.00		
18	Providing and laying 20 to 25mm thick polished cuddapah stone slab for shelves anchored into the wall including cutting to required size, filling the gaps with cement mortar 1:4 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions of engineer-in-charge in all floors at all heights.Machine polished on one side and other side finished to even surface and with machine cut edges	Sqm	6.00		

Sl. No.	Description	Units	Qty	Rate	Amount
19	Supplying and fixing /laying in position water tight dry grass roof over a layer of bamboo mat including cost of grass, labour, polishing of bamboo mat, etc. complete all as per drawing and as directed by EIC . (Minimum thickness of grass roof shall be of 200mm thick)	Sqm	145.00		
20	Providing dry granite rubble stone pitching for embankments etc; including supply of stone spalls for filling and wedging, hand packing in close joints with appropriate size of stones and filling the interstices with smaller chips and finish to line and slope, etc; complete all as per specifications.	Cum	9.50		
21	Providing and fixing 50mm thick first grade (Class2) seasoned teak wood wrought & put up planks duly seasoned and treated, free of decay, pockets of streaks on exposed edges, splits, cracks, dead or cluster knots, discolouration etc. The planks shall be of uniform colour and shall be fixed to the floor frame, ensuring adequate bearing of the planks on the frame, including smooth planeing all exposed surfaces, surfaces smooth to receive polishing on all surface with two coats, attending the work in a workman like manner to the satisfaction of the Engineer - In - Charge of work etc complete.	Sqm	20.00		
	Note:- 1.Sample wood shall have to be shown to EIC and got approved. 2.Sample work on an area of about 1MX1M shall have to be first done & got approved prior to proceeding with the work. 3.The work shall be executed in a professional workman like manner. 4.Work shall be executed by skilled workers/specilized agency. Using planks of approved size with tong & groove joint				
22	Providing and fixing of Stain less Steel Nirali sink of Glister super series of Jumbo model of over all size 685mmX535mm and bowl size of 610X460X254mm with glossy finish, complete all as per specification and as directed by EIC., etc complete.	No	2.00		
23	Providing and Fixing Indian make wash hand basin (with CP bottle trap) comprising of fallowing parts and all as per specification and as directed by EIC, etc complete. A) wash basin of Hind ware make of approved model no - Basic rate Rs.2270/- B) Angle cock of model no CON-059KN of jaquar make C) Waste coupling D) Bottle trap of jaquar make of model no ALD-769 L300X190	No	2.00		

Sl. No.	Description	Units	Qty	Rate	Amount
	E) GI pipe of medium quality - 32mm N.B from wash basin to floor trap				
	F) C.I brackets for fixing wash basins / sinks				
	G) G.I Pipe Bend of 40mm dia.				
	H) GI pipe of medium quality - 40mm N.B				
	Size 560X450mm				
24	Providing and fixing UPVC floor trap with 75mm dia outlet 'Supreme' or other equivalent approved make, including connection with PVC soil / waste pipe, necessary 150mm thick CC 1:2:4 for embedding the trap including providing and fixing top rail and strainer on top of the trap etc., complete all as specified and directed.	No	4.00		
25	Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete, per opening.	No's	4.00		
26	Providing and Fixing of Pillar cock of size 1/2" BSP with auto closing system of Jaquar make of model no PRS-031, with necessary connection pipes, etc complete all as per specifications	No	2.00		
27	Providing and Fixing of Bib cock (Angular Shape)of size 1/2" BSP with wall flange of Jaquar make of model no FLR-5037N, with necessary connection pipes, etc complete all as per specifications	No	2.00		
28	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR 13.5) conforming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and cost of cutting chases and making good the same with CM 1:3, including testing of joints complete as per direction of engineer-in-charge etc., for CONCEALED WORKS with:CPVC pipes, 20mm outer dia	Rmt	50.00		
29	Supply, Laying and Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber rings conforming to Type 'B' of IS:13592 'Supreme' or equivalent approved make as per manufacturers specification including cutting the pipes to required lengths, necessary excavation, chasing and restoring to original conditions, testing etc. complete. (Specials at junction of lateral pipe and vertical stack must have access door for inspection)				
29.1	75mm dia min wall thickness 3.2mm	Rmt	20.00		
29.2	110mm dia min wall thickness 3.2mm	Rmt	50.00		

Sl. No.	Description	Units	Qty	Rate	Amount
30	Providing and Fixing of Bottle trap with wall flange of Jaquar make of model no ALD-769L300X190, etc complete all as per specifications	No	2.00		
31	Providing, laying, jointing, fixing, testing, commissioning threaded PVC pipes schedule 40 conforming to ASTM-D-1785 with GI specials, cutting the pipes to the required lengths, threading, jointing the pipes using Teflon tape chasing the walls and floors, making the holes, clamping to walls using the wooden spacers or clamps and restoring the same to the original conditions with CM 1:3, necessary excavation, testing, refilling etc. Complete all as specified and directed and as per manufacturer's specification. For External works - 40mm NB	Rmt	10.00		
32	Supplying of Zoloto Ball Valves of size - 20mm dia etc., complete all as per directions of E-I-C etc complete	No	2.00		
33	Construction of valve chamber of size 300X300mm, 450mm deep comprising of 230mm thick brick walls using first class country brick walls in CM 1:5 over a bed of 150mm thick PCC 1:4:8 (using 40mm size metal) with 75mm projections all-round beyond the masonry face, plastered with CM 1:3, 12mm thick mixed with waterproofing compound as per manufacturer's specifications on internal, external, top exposed surface and internal, top surfaces finished smooth with a floating coat of neat cement, providing and fixing painted CI frame and cover of size 300X300 weighing not less than 7kg with locking arrangement fixing the frame in CC 1:2:4 including form work, curing, etc, complete all as specified and directed. NOTE: CC 1:2:4 in the above Item is by using 20mm graded granite aggregate obtained from approved quarry.	No	1.00		
34	Construction of grease trap chamber of internal dimensions 450X450X760mm in 230mm thick brick masonry using first class country brick walls in CM 1:3 over a bed of 150mm thick 1:2:4 CC, plastering with CM 1:2, 12mm thick on internal, external, top surfaces and inside and exposed top surfaces finished smooth with a floating coat of neat cement, providing and fixing light single seal CI frame and cover of size 450X450mm weighing not less than 25kg conforming to IS 1726, CC 1:2:4 for fixing the CI frame and cover, painting with 3-coats of anticorrosive black bitumastic paint, providing 1 no SW Tee of size 100mm on the outlet, encasing sewers connection to chamber in CC 1:2:4 etc., complete all as directed and specified. (Ref. Fig. No. CED:PH8.5 of PH Engineering Specification) NOTE: CC 1:2:4 in the above Item is by using 20mm graded granite aggregate obtained from approved quarry.	No	2.00		

Sl. No.	Description	Units	Qty	Rate	Amount
35	Providing and Fixing in position best quality salt stoneware gully trap of size 100mm square with 100mm outlet; conforming to IS:651 embedded in plain cement concrete 1:4:8 (20mm Metal), providing and fixing 100mm square CI grating on top of the trap, all the above encased in a chamber of 300X300mm built with 115mm thick brick masonry using first class country bricks in CM 1:3, over a bed of CC 1:4:8 using 40mm size metal 100mm thick, plastering with CM 1:3, 13mm thick inside, outside, exposed top surfaces and Internal and top exposed surfaces finished smooth with a floating coat of neat cement, Providing and fixing CI frame and cover of size 300X300mm weighing not less than 7kg fixing the frame in PCC 1:2:4 using 20mm stone metal including painting the frame and cover with 3-coats of anticorrosive black bitumastic painting etc. Complete all as specified and directed.	Nos	2.00		
36	Supply and Fixing of FRP/GRP Gutter sheet to a required length of size 1mtr width and 0.5m depth on either side for the Dry grass roof fixed to the sheet with self drilling and self tapping screws all as per manufacturers specifications and drawings etc., complete.	Rmt	11.00		
37	Cutting existing bitumen road, up to 0.60m wide and 0.60m depth and refilling the same with 75mm thick PCC 1:1:2 as a top finish and 100mm thick PCC1:3:6 as a base course etc complete all as per specification and as directed by EIC etc., complete	Rmt	15.00		
38	Providing and laying light duty Non-pressure NP-2 Class RCC Hume pipes with collars jointed with stiff mixture of CM 1:2 (cement : fine sand) including joints, etc; complete 225mm dia.	Rmt	15.00		
39	Providing and fixing rigid PVC SWR (soil, waste and rain water) drainage / rain water pipe conforming to Type-A IS 13592-1992, including accessories like bends and fixing with pipe clips, adhesive at joints all as per manufacturer's specifications to required length etc., complete all as per specifications and directions of engineer-in-charge.110mm dia OD pipes with minimum wall thickness of 2.20mm	Rmt	10.00		
40	Disposing debris from Campus to outside the dumping yard, where the local authority will not object, etc by engaging a tractor complete all as per specifications., etc complete	load	5.00		

Sl. No.	Description	Units	Qty	Rate	Amount
41	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	145.00		
Total Amount Rs.					
Note:- The contractor shall quote his rates in this schedule of quantity. Submission of tender in any other format is liable for rejection.					

Total amount in words:-

Signature of the Contractor

Date

Adress