

**TATA INSTITUTE OF FUNDAMENTAL RESEARCH
INTERNATIONAL CENTRE FOR THEORETICAL SCIENCES**

Name of Work : Providing and constructing external Developmental works/Hardscape work around Dining area in ICTS-TIFR Campus, Shivakote village, Bengaluru north.

Schedule of Quantities

Sl No.	Description of Items	Unit	Qty	Rate	Amount
1	Earth work excavation in foundation pits, plinth / tie beams, cable trenches/pits , pipe lines , sewers, man holes, chambers, etc.in all soils other than soft & hard rock for depths mentioned below including shoring if necessary, dressing the sides, trimming, ramming and preparing the bed for foundation and refilling around the foundation and in plinth with selected excavated earth, in layers not exceeding 250mm. thick, watering, consolidation and disposing of the surplus earth within a distance of 500M etc. levelling ,consolidation etc., complete as per specifications, drawings and as directed by the Engineer-in-charge.				
a	Depth not exceeding 1.5 m from Ground Level	Cum	50		
2	Plain Cement concrete of following mix in bed concrete to plinth beams, foundations, pedestal, encasing pipes etc. at all locations & depths using graded stone aggregate of 20mm.maximum size including necessary form work, machine mixing, transporting, placing in position consolidation, finishing, curing etc. complete as per specifications, drawings & as directed by the EIC. (All works up to plinth level)				
a	Using cement concrete 1:4:8 mix for PCC.	Cum	110		
3	Providing and constructing at all levels concrete block walls with CEMENT CONCRETE SOLID BLOCKS using 400x200x200/ 400x150x200 with approved quality and confirming to a crushing strength of not less than 50Kgs/Sqcms in CM 1: 6 to correct line, level and plumb including racking out joints, curing scaffolding, at all levels/ floors , lead, lifts and height for walls , platforms and packing the junction of wall with ceiling with 1:3:6 mix and plant required for the execution of the work etc. Complete as per specifications, & as directed by EIC.	Cum	80		
4	Providing and applying 20mm thick external and 15mm internal thick plaster of following finish in CM 1:4 (1 cement :4 river sand) for seaters & planter boxes, columns etc. including all lead & lift and curing etc. complete all as per specifications, drawing and as directed by the Engineer in charge.				
a	Finished with neat coat of cement/Brush/smooth buffed /any approved finish for all plaster works.	Sqm	400		

5	Providing and laying precast form finish chamfered kerb M30 grade of M/s. Besant Betons or at par quality of approved manufacture of size 600mm length x 375mm high x 150mm thick as shown in the drawing with laid vertically/ horizontally for parking approach etc., laid over 20mm thick CM 1:4 with a gap of 6-8mm and pointing the gap with 1:4 CM neatly finished with cement punning matching with kerb etc., sub-base mortar, pointing etc., complete as detailed in drawing and as directed by Engineer-in-charge.				
	(a) Kerb stone supplied by the department including all lifts & lead. Note : Contractor have to shift the departmental available material stacked at various locations in & around the campus.	RM	60		
6	Filling in low lying areas, pathways, parking etc. with approved red earth excavated including transportation, all leads, lifts, loading, unloading from nearby approved borrow areas outside the campus by mechanical stacking, levelling, spreading in layers not exceeding 150 mm thick, breaking clods, watering, consolidation to obtain 90% proctor density etc. all complete as per specifications, drawings & as directed by the Engineer in Charge. Note : Actual quantity of truck measurement will be considered deducting 20% void for payment.				
a	With earth from outside by mechanical transport with all lead.	Cum	615		
7	Providing and laying 15mm thick terracotta tiles in 20mm thick CM 1:4 jointed with cement slurry as per design including transportation, cutting, labour, wastage, final cleaning with dilute acid (Commercially zero acid), at all lifts & leads etc. complete all as per specifications, drawing and as directed by the Engineer in charge.				
a	Terracotta tiles of 230mm x75mm x 15mm thick.	Sqm	70		
b	Terracotta tiles of 230mm x230mm x 15mm thick.	Sqm	110		
8	Providing and laying 40 mm uniform thick machine cut Sira stone slabs of following size in 20mm thick CM 1:4 with paper joints as per design including transportation, cutting, labour, wastage, acid wash etc. complete all as per specifications, drawing and as directed by the Engineer in charge.				
a	Laying polished grey Sira stone of size 1500x450mm and 1200mm x 1200mm.	Sqm	140		
b	Laying Undressed Sira stone of size 1500mm x 900mm.	Sqm	470		
9	Supply and filling 20mm -25mm uniform size aggregate for gravel bed to a depth of 75mm thick laid on 50mm thick cement concrete bed using 20mm max size aggregate etc. complete all as per specifications, drawing and as directed by the Engineer in charge.	Cum	56		
	Note: 1. Concrete will be paid under relevant item.				

	2. Aggregate size less than 20mm will be rejected for carrying the work.				
		Total Rs.			

Note:

1. Rate inclusive of all WCT, Labour cess and taxes if any.
2. Water and electricity will be provided by department free of cost.
3. Quoted rate shall hold good for cutting the stones to any geometric shape in plain and curve including wastage, all lead and lift etc.
4. Quoted rate shall be inclusive of removing all debris generated and disposing at a designated place as per the statutory authorities.
5. Damage to any existing installations, underground, PH and electrical services lines shall be restored without any additional cost to department.

(Rupees

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Contractor's Seal with Signature