



Sub: Renovation of Jurassic park Pathways at DSC, Digha.

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
1.0	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 150 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. Depth of excavation not exceeding 1,500 mm.	15	Cum	119.27	1789.05
2.0	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) With earth obtained from excavation of foundation.	15	Cum	77.54	1163.10
3.0	Labour for taking out old brick-on-edge edging including removing debris to flank or berm sorting out serviceable materials and stacking.	200	Metre	6.35	1270.00
4.0	Labour for taking out old Single brick flat soling including removing of debris and stacking of serviceable materials within a lead of 150 m. as per direction of Engineer In Charge.	100	Sq.m	9.81	981.00
5.0	Labour for taking out brick-on-edge of herring bone bond soling including removing debris to flank or berm sorting out serviceable materials and stacking the same within a lead of 150 m. as per direction of Engineer In Charge.	100	Sq.m	17.32	1732.00
6.0	Labour for taking out brick-on-edge of herring bone bond soling set in cement mortar including removing debris to flank or berm sorting out serviceable materials and stacking.	10	Sq.m	34.64	346.40
7.0	Labour for laying soling with departmental bricks including carriage of departmental bricks within a lead of 150 metres preparation of bed as necessary with brick joints properly filled in and packed with local sand or powdered earth and including necessary cushion of similar materials below the soling (and in between layers when more than one layer is used) (The item included the cost of obtaining local sand or powdered earth) Single brick flat soling (thickness 75 mm)	240	Sq.M	35.84	8601.60
8.0	Single Brick flat soling (thickness 75 mm) with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction.	10	Sq.m	348.00	3480.00
9.0	Brick work with 1st class bricks (Class designation 75) in cement mortar (1:6) In Foundation & plinth	3	Cum	5,198.00	15594.00
10.0	125mm thick brick work with 1st class bricks in cement mortar (1:4) at any floor.	10	Sqm.	712.00	7120.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
11.0	Providing and laying in position Ordinary Cement concrete of specified grade with graded stone chips (20 mm nominal size) of Pakur variety excluding the cost of centering, shuttering and reinforcement, if any, in ground floor as per relevant IS codes.				
11.1	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	0.5	Cum.	6,880.90	3440.45
11.2	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	24	Cum.	6,510.90	156261.60
12.0	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works. 25mm to 30mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	10	Sqm.	324.00	3240.00
13.0	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. For works in foundation and upto roof of ground floor/ upto 4 m using Tor/HYSD steel.	0.50	MT	68,053.00	34026.50
14.0	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary at any height. With 1:6 cement mortar, 15mm thick plaster.	50	Sqm.	139.00	6950.00
15.0	Neat cement punning about 1.5mm thick in wall, dado, window, sill, floor etc. NOTE: Cement 0.152 cu.m per100 sq.m.	20	Sqm.	34.00	680.00
16.0	Providing and laying at or near ground level factory made kerb stone (size: 500 mm x 300 mm x width 150 mm at bottom with bevelled nosing at top) of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) and curing the mortar joints for at least 3 days, including making drainage opening wherever required and back filling the vertical piece properly with earth duly compacted, including cost and carriage of all materials etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	13	Cum	9800.00	127400.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
17.0	Supplying and laying true to line and level High Grip, Scratch resistant, Neutral to UV rays, Full Body Vitrified Tiles conforming to IS:15622-2006 & IS 4457-2007 and tested in accordance with IS:13630 [Non- modular sizes for tiles with Skid resistance: 0.6, Mohr's hardness > 7.0, Staining resistance: Class- 1, Water Absorption E < 0.5%] & MOR > 35N/sq.mm and Breaking strength > 1500 N for Outdoor area of building e. g. Gang-way, Corridor, Driveway, Parking lots, Courtyards, Sloping ramps, Entrance lobbies, Patios, Portico etc. set over necessary underlay and 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg./Sqm, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles and removal of wax coating of top surface of tiles with warm water and cleaning the tiles using soft and dry cloth complete including the cost of materials, labour and all other incidental charges complete including backside slurry but excluding the cost of underlay and true to the manufacturer's specification and direction of Engineer-in- Charge. In Ground Floor: Sizes-300 mm x 300 mm x10 mm . Make: Kajaria (Digital Print)/ Jhonson Endura or equivalent.	320	Sqm.	932.00	298240.00
18.0	Applying Exterior grade Acrylic primer of approved quality and brand (ICI Dulux Weathershield Alkalibloc or equivalent) on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC at any floor. One Coat applied @ 0.9 ltr/ 10 sqm. (Make: ICI/ Asian Paints/ Berger/ Nerolac) <i>Physical consumption of primer will be verified with the actual area of painted surface and penalty @Rs.220/lit will be imposed if any deviation is found with respect to the consumption of primer according to the manufacturer's specifications.</i>	250	Sqm.	31.40	7,850.00
19.0	Protective and Decorative Acrylic exterior emulsion paint of approved quality and brand (ICI Dulux Weathershield Max, Apex ultima of Asian paint, Barger Weather coat long life Flexo or equivalent), as per manufacturer's specification and as per direction of Engineer-In-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. Two or more coats applied @ 1.67 ltr/ 10 sqm with Super protective 100% Acrylic Emulsion paint. Rate is inclusive of applying additional coats wherever required to achieve even shade and colour. <i>Physical consumption of paint will be verified with the actual area of painted surface and penalty @Rs.550/lit will be imposed if any deviation is found with respect to the consumption of paint according to the manufacturer's specifications.</i>	250	Sqm.	97.00	24,250.00
20.0	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. (This item is applicable to new work or old work when the original surface has been exposed by removal of old paint)	290	Sqm.	29.00	8,410.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
21.0	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	110	Sq.M	38.00	4180.00
22.0	Painting with best quality synthetic enamel paint of approved make and brand (ICI Dulux 5 in 1 or Equivalent) including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary.				
22.1	Two coats (with any shade except white) with super gloss (hi-gloss) of approved quality on timber or plastered surface.	110	Sqm.	81.00	8,910.00
22.2	Two coats (with any shade except white) with super gloss (hi-gloss) of approved quality on steel or other metal surface.	290	Sqm.	79.00	22,910.00
23.0	Removal of rubbish, earth, scrap material etc. from the working site and disposal of the same beyond the compound in truck loads in conformity with Municipal/ Corporation rules and as per instruction of Engineer – in – Charge.	1	L.S.	3,000.00	3,000.00

Cost of Civil works ::: 751825.70

GST, as applicable over cost of Civil work @ 18% ::: 135328.63

Cost of Civil works excluding labour welfare cess ::: 887154.33

Labour welfare cess @ 1% ::: 8871.54

Total amount of Civil Work ::: 896025.87

Say Rs. 896026.00

NOTE :

- 1 Tenderers should visit the site before quoting the rate to understand the nature of work and condition of the site.
- 2 Rates shall be quoted inclusive of all materials, **wastage**, labour, shifting charges, **taxes & duties** etc. required for this job. No additional payment shall be done by the BITM for this purpose.
- 3 The work shall be required to carry out without obstructing the visitor's movements and may also be required to carry out beyond office hours (if required) for which no additional payment shall be made.
- 4 The work will be carried out after following all respective precautionary measure and safety rules. Expenditure towards insurance coverage for the labourers working at site has to be included in the rate.
- 5 Regarding the work directives of the Engineer-in-Charge shall be final and binding.
- 6 All materials must be approved by the Engineer-in- Charge before supplying at site.

List of Approved materials :

- i) Cement: OPC 53 Grade of Ultratech/ ACC/ Lafarge/ Ambuja.
- ii) Reinforcement: JSW/ JSPL/ SHYAM/ SRMB/ BMASL/ ELECROSTEEL/ SSL.
- iii) Vitrified tiles: Kajaria/ Johnson/ Orient/ Somany/ Vermora.
- iv) Exterior Acrylic Emulsion: Asian paints Apex Ultima/ ICI Dulux Weathershild Max/ Barger Weather coat long life Flexo.
- v) Synthetic Enamel: Asian paints/ ICI Dulux/ Berger.

Signature with seal of the Contractor