

Order Inviting Authority:- Block development Officer, Begunia
 Name of the Work:- CONSTRUCTION OF CONFERENCE HALL AT BEGUNIA.
 Class of Contractor: 'B' & 'C'
 Identification no:- Estimated cost put to tender:- 3434227.00

Bill of Quantities

| Description of works | Unit | Quantity | Estimated Rate | Amount |
|--|------|----------|----------------|-----------|
| Earth work in hard soil all leads and lifts including rough dressing and breaking clods to maximum 5cm to 7cm and depositing excavated material away from working area and laying in layers not exceeding 0.3m in depth as per the specification and direction of the Engineer-in-charge etc complete. | | | | |
| Hard Soil | Cum | 22.50 | 188.80 | 4248.00 |
| Filling in foundation with clean coarse river sand of approved quality from approved quarry in layers not exceeding 0.225mtr in depth including watering & ramming to required depth including cost, conveyance, royalty and taxes of all materials, labour charges, T & P etc complete. as per specification and direction of the Engineer In-Charge.(Measurement will be taken for finished compacted section only). | | | | |
| Foundation Plinth | Cum | 1.25 | 324.80 | 406.00 |
| PCC (1:3:6) in foundation bed using hand broken hard granite coarse aggregates 40mm & down graded size of approved quality from approved quarry including hoisting, lowering & laying concrete in layers not exceeding 0.15mtr in depth including ramming, compacting, each layers properly and watering and curing concrete for required period excluding form-work but, including cost, conveyance, royalty and taxes of all materials, labour charges, T & P etc complete. as per specification and direction of the Engineer In-Charge.(Measurement will be taken for finished compacted section only). | | | | |
| PCC (1:3:6) | Cum | 1.25 | 4325.50 | 5407.00 |
| RCC M/20 having crushing strength of 75kg/cm ² after 28 days curing as per IS 456 & IS 516 using 12mm to 20mm size b.h.c.b granite chips (20mm size not exceeding 25% including hoisting lowering laying concrete and compacting by using vibrators watering curing for 28 days centering shuttering & finishing the expose surface smooth providing grooves beads whether necessary including cost conveyance taxes & royalty of all materials & cost of all labour T&P hire charges of concrete mixture machine & vibrator machine required for the work etc. Complete in all respect but excluding the cost of MS rod of for steel & binding wires & labour charges for cutting bending binding * tying the grills. As per the direction of Engineer in-charge. Coat and conveyance of all materials labours all taxes T&P etc all complete. | | | | |
| Ground Floor | Cum | 1.25 | 4517.90 | 5647.00 |
| 1st Floor | Cum | 70.49 | 4601.70 | 324374.00 |
| 2nd Floor | Cum | 5.34 | 4698.00 | 25087.00 |
| Providing rigid and smooth centering and shuttering for concrete works and dismantling them after casting including cost conveyance royalty and taxes of all materials Labour charges etc complete as per the approved design and drawing and specification and direction of Engineer in charge | | | | |
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| i) Column and Beam (1st Floor) | Sqm | 219.43 | 846.70 | 185791.00 |
| ii) Column and Beam (2nd Floor) | Sqm | 20.87 | 985.50 | 20567.00 |
| Lintel bend (1st Floor) | Sqm | 34.43 | 289.50 | 9967.00 |
| i) Roof Slab & chhaja(Ground Floor) | Sqm | 14.00 | 427.70 | 5988.00 |
| ii) Roof Slab & chhaja (1st Floor) | Sqm | 312.03 | 480.63 | 149971.00 |
| iii) Roof Slab & chhaja (2nd Floor) | Sqm | 34.81 | 545.37 | 18984.00 |
| Stair (1st Floor) | Sqm | 22.21 | 693.60 | 15405.00 |

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|) Cutting straightening of steel HYSD (Fe-415) conforming to (IS- 1786)) with bending, binding, cranking, hooking, welding or joining if necessary & tying the grills and placing in position as required for the Rod work in all floors and & for providing fan hooks hosting lowering & laying steels including cost conveyance taxes & royalties of all materials and binding wires of 18 to 20 gauge & cost of all labour T&P required for the work etc. Complete in all respect as per the direction of Engineer in charges (payment will be made on weight of MS rod or tersteel only basing on the co-efficient of MS rod or for steel bars approved by SAIL/ TATA/ competent authority and (No separate payment will be made towards the cost of binding wires over lapping, wastage coupling welded, joints, spacer bars, chairs stays, hangers and annealed steel wires or other methods for binding and placing etc. | | | | |
|) Ground Floor | Qntl | 1.25 | 8548.00 | 10685.00 |
|) 1st Floor | Qntl | 63.44 | 8635.63 | 547844.00 |
|) 2nd Floor | Qntl | 5.34 | 8719.69 | 46563.00 |
|) Laterite Stone massonary using C M (1:6) in Foundation and Plinth etc complete as per the direction of Engineer in-charge. Cost and conveyance and royalty of all materials labours all taxes T&P etc all complete.(G/F) | Cum | 7.20 | 4297.20 | 30940.00 |
|) Fly ash brick masonry work in cm (1:6) in superstructure having minimum crushing strength not less than 75 kg /cm2 after immersing the bricks for six hour in water before use in F&P including splays cutting & circular moulding, hoisting,, watering, curing etc with cost of all labour T&P for the work in all respect as per the direction of Engineer in-charge. Cost and conveyance of all materials labours all taxes T&P etc all complete. | | | | |
| (i) For (1st Floor) | Cum | 66.90 | 4763.50 | 318678.00 |
| (ii)For (2nd Floor) | Cum | 21.65 | 5068.12 | 109725.00 |
|) 20mm thick grading plaster in CM (1:4) over roof slab including all cost lead and royalty etc complete s per the direction of EIC. | | | | |
| (i) For (1st Floor) | Sqm | 322.96 | 218.20 | 70470.00 |
| (ii)For (2nd Floor) | Sqm | 31.60 | 223.24 | 7054.00 |
|) 16mm thick cement plaster in CM (1:6) with neat cement punning over brick/stone masonry including all cost lead and royalty etc complete. | | | | |
| (i) 16mm C Plaster with Punning | Sqm | 30.60 | 184.60 | 5649.00 |
|) 16mm thick cement plaster in co (1:6) with in all floors finished to brick walls in skirting after racking out the joints including watering, curing, etc complete with cost conveyance taxes and royalties of all materials & labours T&P required for the work etc complete in all respect as per the direction of Engineer in-charge Cost and conveyance of all materials labours all taxes T&P etc all complete. | | | | |
| (i)For (1st Floor) | Sqm | 521.12 | 199.47 | 103948.00 |
| (ii)For (2nd Floor) | Sqm | 97.88 | 204.51 | 20017.00 |
|) 12mm thick cement plaster in co (1:6) in all floors finished to brick walls in skirting after racking out the joints including watering, curing, etc complete with cost conveyance taxes and royalties of all materials & labours T&P required for the work etc complete in all respect as per the direction of Engineer in-charge Cost and conveyance of all materials labours all taxes T&P etc all complete. | | | | |
| (i)For (1st Floor) | Sqm | 208.28 | 141.49 | 29470.00 |
| (ii)For (2nd Floor) | Sqm | 119.30 | 147.25 | 17567.00 |
|) 6mm thick ceiling plaster in CM (1:4) with close chipping neat cement punning etc complete in all respect as per the direction of Engineer in-charge including all cost lead and royalty etc complete. | | | | |
| (i)For (1st Floor) | Sqm | 270.85 | 157.30 | 42605.00 |
| (ii)For (2nd Floor) | Sqm | 23.00 | 161.20 | 3708.00 |

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| 14) | 6mm thick ceiling plaster in CM (1:4) to RCC surface finishing smooth etc complete in all respect as per the direction of Engineer in-charge including all cost lead and roy etc complete. | | | | |
| | (i)For (1st Floor) | Sqm | 75.76 | 140.70 | 10659.00 |
| | (ii)For (2nd Floor) | Sqm | 3.99 | 144.20 | 575.00 |
| 15) | Supplying, fitting and fixing vitrified tile 60x60cm Colour print 8 to 10 mm thick in floors of approved make confirming to IS : 13755 laid on 20mm thick C.M (1:4) & filling joints with white cement of approved quality including cost of all materials, takes labour T&P etc required for the work. per 1 sqm (1st Floor) | | | | |
| | (i)For (1st Floor) | Sqm | 274.46 | 988.32 | 271257.00 |
| 16) | Supplying,fitting and fixing of ceramic tiles in floors of size 400mmx400mm of approved make confirming to IS :13755 laid on 25mm thick cement mortar (1:1) (1 cement :1fine sand)and filling joints with white cement of approved quality including cost of all materials,labour,T&P ets required for the work etc complete. | | | | |
| | (i)For (1st Floor) | Sqm | 4.68 | 1038.20 | 4859.00 |
| 17) | Fixing of wall tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and pulishing complete. | | | | |
| | (i)For (1st Floor) | Sqm | 24.88 | 1131.70 | 28157.00 |
| 18) | Fixing Granite in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1(1cement : 1sand) jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete excluding cost of precast tiles etc. | | | | |
| | (i)For (1st Floor) | Sqm | 23.84 | 1809.00 | 43127.00 |
| 19) | Wall Primer painting one coats | | | | |
| | (i)For (Ground Floor) | Sqm | 1070.33 | 57.00 | 61009.00 |
| | (i)For (1st Floor) | Sqm | 1076.01 | 62.75 | 67520.00 |
| | (ii)For (2nd Floor) | Sqm | 244.17 | 64.30 | 15700.00 |
| 20) | Wall painting 2 coats with weather paint of approved shade on wall surface to give an even shade including cost of brushes and putty including cost of paint scrapping, cleaning rubbing, scaffolding etc. (per one Sq. Mtr.) (Data per 10 Sqm.) INCLUDING COST OF MATERIL &Labour | | | | |
| | (i)For (Ground Floor) | Sqm | 208.28 | 66.80 | 13913.00 |
| | (i)For (1st Floor) | Sqm | 208.28 | 68.30 | 14226.00 |
| | (ii)For (2nd Floor) | Sqm | 123.29 | 71.00 | 8754.00 |
| 21) | Distempering two coats with any approved shade (per one Sq. Mtr.) (Data for 10 sqm.) INCLUDING COST OF MATERIL &Labour | | | | |
| | (i)For (Gr Floor) | Sqm | 791.97 | 65.63 | 51977.00 |
| | (ii)For (1st Floor) | Sqm | 791.97 | 72.20 | 57180.00 |
| | (iii)For (2nd Floor) | Sqm | 70.76 | 73.90 | 5229.00 |
| 22) | Finishing wall surface of walls with Acrylic wall putty (Water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes, labour T&P etc complete. | | | | |
| | (i)For (1st Floor) | Sqm | 791.97 | 83.40 | 66050.00 |
| 23) | Supplying all materials , T&P to fitting , fixing of door/window/ chaukath/ shutter /grill etc. fabric ated from M.S Agla/flat/square bar/ Z -section etc complete as per the direction to the E.I.C. | Kg | 608.40 | 85.00 | 51714.00 |
| 24) | Painting two coats with any approved paint over new / old wood/ iron work including all cost etc all complete | Sqm | 16.47 | 142.70 | 2350.00 |
| 25) | Supplying, fittin and fixing of stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in stair case as per approved design and specification, buffing, polishing etc. with cost, conveyance, taxes of all materilas, labour, T&P etc. required for the complete in all respect. | | | | |

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| | Stair (1st Floor) | Mtr | 20.00 | 3512.60 | 70252.00 |
| 26) | Providing, fitting & fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 5 mm plain glass in top portion with 12mm thick prelaminate board in bottom portion fixed on door frame by means of tapered clip No. 4660 and frame to be completed by means of jointing angle No. 1855 including all cost of labour T & P hire charges of drilling machine labour charges etc; complete. | | | | |
| | 1st Floor | Sqm | 12.60 | 8803.51 | 110924.00 |
| 27) | Supplying, fitting & fixing up window (sliding type) made up aluminium section 9778 as window frame section No. 4095, 4096 and 9777, 3994 as shutter frame with 5mm. thick plain glass as panel fitted with rubber bending including lucking arrangement including all fittings including cost of materials all taxes, labour, T & P excluding cost of glass etc complete as per direction of Engineer in Charge. | | | | |
| | 1st Floor | Sqm | 21.60 | 2898.19 | 62601.00 |
| 28) | Supplying fitting and fixing of FRP door etc complete including all taxes and transportation, | | | | |
| | 1st Floor | Sqm | 3.15 | 2779.00 | 8754.00 |
| 29) | Supplying fitting and fixing of FRP chokath etc complete including all taxes and transportation, | | | | |
| | 1st Floor | Rmtr | 9.90 | 497.00 | 4920.00 |
| 30) | Providing ,fixing of false ceiling with Aluminium anodised T section No. 3215 with 2feet C/C ,L section 1705 up to 15 micron on 4 walls to be fixed by means of steel screw P.V.C plug Alumunium grid 2ftx2ft with gypsum particle board suspended from ceiling etc all complete. including cost of scaffolding staggng charges with cost of all materials ,labour, T & P etc all complete (1st Floor) | | | | |
| | 1st Floor | Sqm | 139.56 | 1868.80 | 260805.00 |
| 31) | Dismantling GCI or AC sheet roofing after carefully removing the bolts & nuts including stacking of the materials for reuse and removing the debris with in 50. m Lead. | | | | |
| | 1st Floor | Sqm | 28.22 | 69.10 | 1950.00 |
| 32) | Display Bord | No | 1.00 | 3000.00 | 3000.00 |
| Total Estimated Cost | | | | | 3434227.00 |
| My Quoted rate is at Current Shedule of Rate/ % Less/Excess than estimated cost | | | | | |

Approved for 32(Thirty Two) items only amounting to Rs 3434227.00 (Rupees Thirty four Lakh thirty four Thousand two hundred twenty seven) only.

Sold vide M R No

Date

Signature of Issuing Authority

Block Development Officer
BEGUNIA

416122
Addl P D (Tech)
D.R.D.A., Khordha