

BILL OF QUANTITY

DRILLING OF BORE-WELL FOR WATER SUPPLY FOR SRI JAGARNATH HIGH SCHOOL IN JURUDI IN THE DISTRICT OF KEONJHAR.

| SL. NO. | PARTICULARS | QUANTITY | RATE | AMOUNT |
|----------------|--|------------------|----------------|------------------|
| 1. | LABOUR CHARGES FOR DRILLING Labour charges for drilling a perfectly vertical bore hole of specified diameter for a specified depth below ground level through consolidation and un-consolidation rock with down the hammer drilling rigs as required to suit the site condition as per the direction of the Engineer-in-charge including the use of own rig with its accessories, T & P and consumable etc. for lowering of 200mm/150mm diameter PVC pipe for housing fittings with socket or without wall screen as per the necessity for the soft, medium and hard formation(PVC/GI/M.S) pipe casing pipes if required to prevent and withdrawing after completion of the tube well 200mm to 400mm diameter overburden portion | 90.00 MTR | 1100.00 | 99,000.00 |
| 2. | LOWERING OF PIPES Lowering the following size PVC housing pipes with or without slotted pipes as per the necessity from G.L. up to the depth available and fitted and fixed up in perfectly vertical Position including cutting and threading pipe and slotted Pipes and supplying and fixing all jointing materials, T & P labour charges etc. complete and keeping the top of casing pipe threaded including plugging tube well to prevent entry of foreign matters from above | 90.00MTR | 850.0 | 76,500.00 |
| 3. | TRANSPORTATION CHARGES Transportation charges of rig, machine and materials | - | - | 5000.00 |

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| 4. | GRAVEL AND GRAVEL FILLING Packing of gravels in the side portion up to the required depth including the cost of all the materials and labour charges complete in all respect | 90.00 MTR | 175.00 | 15,750.00 |
| 5. | CLEANING AND DEVELOPING Cleaning and developing the tube well with their own compressor continuously worked till clear and adequate water is obtained from the tube well including supply and use of all | - | - | 5000.00 |
| 6. | SANITARY SEALING Supplying all materials labour and T & P and providing sanitary sealing for the production well | 1 JOB | 2000.00 | 2000.00 |
| 7. | SUPPLY OF 1.00 HP SUBMERSIBLE PUMPS Supplying all materials, labour, T & P and fixing of 1.00HP Single phase submersible pump set V-GUARD or other make approved by the company including testing and commissioning as Per the direction of the Engineer-in charge. | 1 SET | 15,500.00 | 15,500.00 |
| 8. | SUPPLY OF 4MM 3 CORE COPPER CABLE Supplying of 4mm 3 core copper cable of (FINOLEX/HAVELLS) MAKE | 90.00 MTR | 60.00 | 5400.00 |
| 9. | CONTROL PANEL Supplying all materials, labour, T & P and fixing panel control board for 1.00HP submersible pump set including testing and commissioning as per the direction of EIC | 1 SET | 5000.00 | 5000.00 |
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| 10. | PROCUREMENT OF HDPE PIPE 32MM DIA | | | |

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| | Supplying HDPE pipe of diameter 32mm (8 KG/ SQ.CM) of good quality of repute make. | 90.00 MTR | 75.00 | 6750.00 |
| 11. | PROCUREMENT OF FITTINGS Procurement of G.I. fittings, valves S.S. nipples iron box etc | - | - | 3000.00 |
| 12. | PROCUREMENT OF INSULATED WIRE ROPE | 90.00 MTR | 50.00 | 4500.00 |
| 13. | LABOUR CHARGES Labour charges for lowering and installation of submersible pump set along with electrical cable, lowering of HDPE Pipe with fittings, valves, clamp etc. including testing and commissioning as per the direction of the E-I-C | 90.00 MTR | 150.00 | 13,500.00 |
| 14. | MATERIALS REQUIRED FOR CONNECTION UP TO THE WATER TANK | | | |
| | (A)HDPE PIPE 32MM | 70'-0" | 25.00 | 1750.00 |
| | (B)PIPE FITTINGS | - | - | 2000.00 |
| | ©LABOUR CHARGES FOR FITTING OF PIPE UP TO THE WATER TANK | - | - | 3000.00 |
| | | | TOTAL | 2, 63,650.00 |
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NB: - QUANTITY MAY CHANGE ACCORDING TO THE ACTUAL SITE CONDITION AND REQUIREMENT.

TO BE FILLED BY BIDDER/CONTRACTOR (WITHOUT CORRECTION/CUTTING/OVER WRITING)

***Name of the contractor**

***Quote bid in percentage rate, less/excess than the**

In figure.....

Estimated value (Both in word and figure)

In words.....

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***Total amount as per quoted rate**

In figure.....

In words.....

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Phone No.....

Date.....

**Place.....
seal)**

Signature of the bidder/contractor (With

BILL OF QUANTITY

**NAME OF THE WORK: - CONSTRUCTION OF LATRINE AND URINALS FOR GIRLS AT
BALABHADRAPUR GIRL'S U.P. SCHOOL IN THE DISTRICT OF KEONJHAR, ODISHA**

| SL. NO. | PARTICULARS | QUANTITY | RATE | AMOUNT |
|---------|---|------------------|----------------|------------------|
| 1. | EARTHWORK IN EXCAVATION Earthwork in excavation of foundation in hard soil with initial lift of 1.5m and lead up to 50m Including dressing of sides and leveling etc. | 5.21 CUM | 140.00 | 729.40 |
| 2. | SAND FILLING Supplying and filling in with clean sand in foundation and plinth including ramming etc. complete | 1.04 CUM | 950.00 | 988.00 |
| 3. | CEMENT CONCRETE (1:4:8) Cement concrete (1:4:8) in foundation using 40mm hard granite stone including the cost of all the materials and labour charges complete in all respect. | 1.04 CUM | 4500.00 | 4680.00 |
| 4. | FLY ASH BRICKWORK (1:6) 1 st class brickwork with fly ash bricks of good quality including the cost of all the materials and labour charges complete in all respect. | 10.06 CUM | 4200.00 | 42,252.00 |
| 5. | R.C.C M-25 R.C.C of grade M-25 by using ¾" size stone chips including the cost of all the materials and labour charges complete in all respect. | 0.93 CUM | 8500.00 | 7905.00 |
| 6. | REINFORCEMENTS Supplying TOR STEEL of required size as directed by The Engineer-in charge including the cost of binding wire etc. complete in all respect. | 74.00 KG | 55.00 | 4125.00 |
| | LABOUR CHARGES FOR CUTTING | | | |

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| | AND BINDING Labour charges for cutting, straightening coiled or bent up TOR Steel and tying and placing in position etc. complete in all respect. | - | - | 500.00 |
| 7. | CENTERING Providing rigid and smooth centering and shuttering for C.C. works including false works and dismantling them after casting including cost of all materials and labour charges complete in all respect. | 7.67 SQM | 200.00 | 1534.00 |
| 8. | FLOORING (A) Earthwork filling in plinth with locally available earth of good quality including the cost and labour charges for watering and compacting the same in position. (B) Sand filling ©Cement concrete 3" thick | 1.69 CUM 0.28 CUM 0.28 CUM | 110.00 950.00 4500.00 | 185.90 266.00 1260.00 |
| 9. | TILES FIXING IN WALL AND FLOOR Supplying, laying of glazed tiles in wall and anti skid tiles in floor over 12mm thick cement mortar (1:3) jointed with neat cement slurry including labour charges complete in all respect. | 30.23 SQM | 850.00 | 25,695.50 |
| 10. | FRONT STEPS (A) Earthwork in excavation (B) Sand filling 3" thick ©Cement concrete 3" thick (D) Brickwork in steps | 0.35 CUM 0.17 CUM 0.17 CUM 0.40 CUM | 140.00 950.00 4500.00 4200.00 | 49.00 161.50 765.00 1680.00 |
| 11. | PLASTERING PLASTERING IN CEILING, INSIDE AND OUTSIDE PLASTERING Plastering in ceiling and new brickwork in the ratio as Directed by the Engineer-in –charge including the cost of all the materials and labour charges complete in all respect. | 57.54 SQM | 120.00 | 6904.80 |

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| 12. | INSIDE AND OUTSIDE PAINTING Distemping two coats over a coat of wall primer of approved quality and shade including the cost of all the materials and labour charges complete. | 28.74 SQM | 60.00 | 1724.40 |
| 13. | CONSTRUCTION OF INSPECTION CHAMBER Construction of inspection chamber 2'-0" x 2'-0" inside dimension with 10" thick wall including 6" thick earthwork, 3" thick sand filling and 3" thick cement Concrete including the cost of all the materials and labour charges complete in all respect | - | - | 3500.00 |
| 14. | R.C.C SLAB OVER INSPECTION CHAMBER Covering the inspection chamber with R.C.C Slab of thickness 3" including the cost of all the materials and labour charges for casting and placing in position etc. complete in all respect. | - | - | 2500.00 |
| 15. | TWO NOS SOAK PIT FOR 6'-0" DEPTH (A) Digging of two nos of soak pit for a depth of 6'-0" and diameter of 4'-0" for inserting 6 nos of R.C.C rings. (B) R.C.C RING OF DIAMETER 3'-0" ©LABOUR CHARGES FOR LOWERING THE RINGS | 2 x 6'-0" 12 NOS - | 300.00 500.00 - | 3600.00 6000.00 1000.00 |
| 16. | BRICKWORK (1:6) | 0.56 CUM | 4200.00 | 2352.00 |
| 17. | PLASTERING IN THE INSIDE, OUTSIDE AND TOP PORTION | 6.32 SQM | 120.00 | 758.40 |
| 18. | R.C.C SLAB | 2 NOS | 2500.00 | 5000.00 |
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| 19. | <p>SUPPLYING AND FIXING OF PLASTIC DOOR Supplying and fixing of plastic door with aluminum frame fitted with rigid pvc panel and all fitting including the cost of all the materials and labour charges complete in all respect.</p> | 2 NOS | 3500.00 | 7000.00 |
| 20. | <p>SUPPLYING AND FIXING OF ORISSA PAN OF SIZE 23" Supplying and fixing of white china vitreous water closet squatting pan (ORISSA) PARRYWARE/HNDWARW MAKE of 23" size embedded in cement concrete 1:4:8 including cost, conveyance etc. complete in all respect.</p> | 1 NO | 1500.00 | 1500.00 |
| 21. | <p>SUPPLYING AND FIXING OF URINAL PAN FOR LADIES. Supplying and fixing of white china vitreous urinal pan (ORISSA) PARRYWARE/HNDWARW MAKE of 23" size embedded in cement concrete 1:4:8 including cost, conveyance etc. complete in all respect.</p> | 1 NO | 1500.00 | 1500.00 |
| 22. | <p>SUPPLYING OF DIFFERENT PVC AND CP FITTINGS Supplying of different PVC and CP fittings of standard specification including the cost and transportation charges etc. complete.</p> | | | |
| (A) | 110MM DIAMETER PVC PIPE | 40'-0" | 40.00 | 1600.00 |
| (B) | 110/110 MM DIAMETER P-TRAP | 2 NOS | 200.00 | 400.00 |
| (C) | 4" PVC BEND | 3 NOS | 80.00 | 240.00 |
| (D) | 4" PVC TEE | 2 NOS | 150.00 | 300.00 |
| (E) | 4 " COWEL ONE NO AND CLAMP | - | - | 100.00 |
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| 23. | <p>LABOUR CHARGES Labour charges for all pipe work connected with the toilet and urinal</p> | - | - | 4000.00 |

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| | | | TOTAL | 1, 42,755.90 |

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***Name of the contractor**

***Quote bid in percentage rate, less/excess than the**

Estimated value (Both in word and figure)

In figure.....

In words.....

.....

.....

*Total amount as per quoted rate

In figure.....

In words.....

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Phone No.....

Date.....

Place.....
seal)

Signature of the bidder/contractor (With

BILL OF QUANTITY

**NAME OF THE WORK: - CONSTRUCTION OF LATRINE FOR GIRLS AT RAMACHANDRAPUR U.G. U.P.
SCHOOL IN THE DISTRICT OF KEONJHAR, ODISHA**

| SL. NO. | PARTICULARS | QUANTITY | RATE | AMOUNT |
|---------|---|----------|---------|-----------|
| 1. | EARTHWORK IN EXCAVATION Earthwork in excavation of foundation in hard soil with initial lift of 1.5m and lead up to 50m Including dressing of sides and leveling etc. | 3.01 cum | 140.00 | 421.40 |
| 2. | SAND FILLING Supplying and filling in with clean sand in foundation and plinth including ramming etc. complete | 0.60 cum | 950.00 | 570.00 |
| 3. | CEMENT CONCRETE (1:4:8) Cement concrete (1:4:8) in foundation using 40mm hard granite stone including the cost of all the materials and labour charges complete in all respect. | 0.60 cum | 4500.00 | 2700.00 |
| 4. | FLY ASH BRICKWORK (1:6) 1 st class brickwork with fly ash bricks of good quality including the cost of all the materials and labour charges complete in all respect. | 5.83 cum | 4200.00 | 24,486.00 |
| 5. | R.C.C M-25 R.C.C of grade M-25 by using ¾" size stone chips including the cost of all the materials and labour charges complete in all respect. | 0.54 cum | 8500.00 | 4590.00 |
| 6. | REINFORCEMENTS Supplying TOR STEEL of required size as directed by The Engineer-in charge including the cost of binding wire etc. complete in all respect. | 43.00 kg | 55.00 | 2365.00 |
| | LABOUR CHARGES FOR CUTTING AND BINDING Labour charges for cutting, straightening coiled or bent up TOR Steel and tying and placing in position | - | - | 250.00 |

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| | etc. complete in all respect. | | | |
| 7. | CENTERING Providing rigid and smooth centering and shuttering for C.C. works including false works and dismantling them after casting including cost of all materials and labour charges complete in all respect. | 4.62 sqm | 200.00 | 924.00 |
| 8. | FLOORING (A) Earthwork filling in plinth with locally available earth of good quality including the cost and labour charges for watering and compacting the same in position. (B) Sand filling ©Cement concrete 3" thick | 0.84 cum 0.14 cum 0.14 cum | 110.00 950.00 4500.00 | 92.40 133.00 630.00 |
| 9. | TILES FIXING IN WALL AND FLOOR Supplying, laying of glazed tiles in wall and anti skid tiles in floor over 12mm thick cement mortar (1:3) jointed with neat cement slurry including labour charges complete in all respect. | 15.21 sqm | 850.00 | 12,928.50 |
| 10. | FRONT STEPS (A) Earthwork in excavation (B) Sand filling 3" thick ©Cement concrete 3" thick (D) Brickwork in steps | 0.18 cum 0.09 cum 0.09 cum 0.20 cum | 140.00 950.00 4500.00 4200.00 | 25.20 85.50 405.00 840.00 |
| 11. | PLASTERING PLASTERING IN CEILING, INSIDE AND OUTSIDE PLASTERING Plastering in ceiling and new brickwork in the ratio as Directed by the Engineer-in –charge including the cost of all the materials and labour charges complete in all respect. | 34.92 sqm | 120.00 | 4190.40 |

| | | | | |
|-----|---|----------------------------------|-------------------------------|---------------------------------------|
| 12. | INSIDE AND OUTSIDE PAINTING Distemping two coats over a coat of wall primer of approved quality and shade including the cost of all the materials and labour charges complete | 20.43 sqm | 60.00 | 1225.80 |
| 13. | CONSTRUCTION OF INSPECTION CHAMBER Construction of inspection chamber 2'-0" x 2'-0" inside dimension with 10" thick wall including 6" thick earthwork, 3" thick sand filling and 3" thick cement Concrete including the cost of all the materials and labour charges complete in all respect | - | - | 3500.00 |
| 14. | R.C.C SLAB OVER INSPECTION CHAMBER Covering the inspection chamber with R.C.C Slab of thickness 3" including the cost of all the materials and labour charges for casting and placing in positon etc. complete in all respect. | - | - | 2500.00 |
| 15. | TWO NOS SOAK PIT FOR 6'-0" DEPTH (A)Digging of two nos of soak pit for a depth of 6'-0" and diameter of 4'-0" for inserting 6 nos of R.C.C rings. (B)R.C.C RING OF DIAMETER 3'-0" ©LABOUR CHARGES FOR LOWERING THE RINGS | 2 x 6'-0" 12 NOS - | 300.00 500.00 - | 3600.00 6000.00 1000.00 |
| 16. | BRICKWORK (1:6) | 0.56 CUM | 4200.00 | 2352.00 |
| 17. | PLASTERING IN THE INSIDE, OUTSIDE AND TOP PORTION | 6.32 SQM | 120.00 | 758.40 |
| 18. | R.C.C SLAB | 2 NOS | 2500.00 | 5000.00 |
| | | | | |
| 19. | SUPPLYING AND FIXING OF PLASTIC DOOR Supplying and fixing of plastic door | | | |

| | | | | |
|------------|--|---------------|----------------|----------------|
| | with aluminum frame fitted with rigid pvc panel and all fitting including the cost of all the materials and labour charges complete in all respect. | 1 NOS | 3500.00 | 3500.00 |
| 20. | SUPPLYING AND FIXING OF ORISSA PAN OF SIZE 23" Supplying and fixing of white china vitreous water closet squatting pan (ORISSA) PARRYWARE/HNDWARW MAKE of 23" size embedded in cement concrete 1:4:8 including cost, conveyance etc. complete in all respect. | 1 NO | 1500.00 | 1500.00 |
| 21. | SUPPLYING OF DIFFERENT PVC AND CP FITTINGS Supplying of different PVC and CP fittings of standard specification including the cost and transportation charges etc. complete. | | | |
| (A) | 110MM DIAMETER PVC PIPE | 20'-0" | 40.00 | 800.00 |
| (B) | 110/110 MM DIAMETER P-TRAP | 1 NOS | 200.00 | 200.00 |
| © | CISTERN 10 LTS CAPACITY | 1 NO | 1350.00 | 1350.00 |
| (D) | CORNER BASIN | 1 NOS | 1000.00 | 1000.00 |
| (E) | PILLAR COCK | 1 NOS | 500.00 | 500.00 |
| (F) | CONNECTION PIPE | 1 NOS | 100.00 | 100.00 |
| (G) | WASTE PIPE | 1 NOS | 50.00 | 50.00 |
| (H) | CP WASTE | 1 NOS | 120.00 | 120.00 |
| (I) | ANGLE COCK | 2 NOS | 500.00 | 1000.00 |
| (J) | BRACKET FOR FIXING BASIN | 1 SET | 100.00 | 100.00 |
| (K) | CP SHORT PIECE | 4 NOS | 200.00 | 800.00 |
| (L) | BIB COCK | 1 NO | 500.00 | 500.00 |
| (M) | CP JALLI | 1 NOS | 50.00 | 50.00 |
| (O) | 4" PVC BEND | 1 NOS | 80.00 | 80.00 |

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|-----|---|-------|--------------|---------------------|
| (P) | 4" PVC TEE | 1 NOS | 150.00 | 150.00 |
| (Q) | 4 " COWEL ONE NO AND CLAMP | - | - | 100.00 |
| (R) | 3/4" UPVC PIPE for wiring and 1" UPVC PIPE for connection Up to the water tank including valve and required fittings | - | - | 2500.00 |
| (S) | WATER TANK 1000 lts water tank of approved make including the cost and transportation charges complete | - | - | 5000.00 |
| 22. | LABOUR CHARGES Labour charges for all pipe work connected with the toilet and urinal | - | - | 3000.00 |
| | | | TOTAL | 1, 03,972.20 |
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NB: - QUANTITY MAY CHANGE ACCORDING TO THE ACTUAL SITE CONDITION AND REQUIREMENT.

TO BE FILLED BY BIDDER/CONTRACTOR (WITHOUT CORRECTION/CUTTING/OVER WRITING)

***Name of the contractor**

***Quote bid in percentage rate, less/excess than the**

In figure.....

Estimated value (Both in word and figure)

In words.....

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***Total amount as per quoted rate**

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In figure.....
In words.....
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Phone No.....

Date.....

Place.....
seal)

Signature of the bidder/contractor (With