

## BILL OF QUANTITY

**NAME OF THE WORK :** Construction of DMF Gram Udyana at Ranki under Sirispal G.P, Sadar Block at Keonjhar for 2022-23 under DMF.

Estimated cost :- Rs. 2955239.00  
Amount put to tender :- Rs. 1832438.00  
Class of Contractor :- D & C  
Cost of Tender Paper :- Rs. 6000.00  
Earnest money Deposit 1% :- Rs.18324.00  
Time of completion :- 6 (Six) Months

Item No.	Item of work	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
1	Earth work in excavation of foundation and trenches in hard soil within initial 50m lead and 1.5m lift including rough dressing and levelling of foundation bed and depositing the soil away from the work side including cost of labour, T&P, dewatering for the work etc. complete & as per direction of Engineer-in-Charge.	254.57	Each Cum	195.40	49743.00
2	Excavation of any approved type of soil in approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within initial lead of 1 km on properly prepared and scientifically approved surface including spreading and levelling the earth in 22.5cm layer to make ready for watering and compaction with sheep foot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road and borrow area etc. complete as per the direction of Engineer-in-charge	225.00	Each Cum	95.90	21578.00
3	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil including stoney earth, gravel and moorum etc. interspread with boulders upto 1/2 cum size all lifts and delifts including trimming of slopes and bed to design section and depositing the excavated materials away from work site as per the specification and as directed by the E.I.C within initial lead of 1 km from the place of excavation etc. complete.	174.00	Each Cum	125.30	21802.00
4	Providing supplying, filling in foundation & plinth with sand well watered and rammed with cost, conveyance, royalty of all materials and labour with T&P required for the work etc. complete (Measurement will be taken on finished completed section only) as per direction of Engineer-in-Charge.	150.17	Each Cum	506.40	76046.00

5	Cement Concrete (1:3:6) using 4cm. size b.h.g.c.b. metal of approved quality from approved quarry including lowering, laying concrete, watering and curing etc. complete to required levels laid in layers not exceeding 15cm. thick including cost, conveyance royalties and taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	20.93	Each Cum	4524.90	94706.00
6	Cement Concrete (1:2:4) using 12mm size b.h.g.c.b. chips approved quality from approved quarry including lowering, laying concrete, watering and curing with cost, conveyance royalties and taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	1.11	Each Cum	6771.60	7516.00
7	Reinforcement Cement Concrete M-20 grade with crushed granite 20mm down grade course aggregate of approved quality mixing by concrete mixer including hoisting, lowering and laying the concrete in position to proper slope and level and compacting by Vibrators in layers .not exceeding 0.15m depth including watering, curing for required period 28 days, centering & shuttering and finishing exposed surface smooth providing grooves wherever necessary including cost, conveyance, royalty and other taxes of all materials labour, T&P materials required for this item including hire and running charges of the machineries complete as per direction by the engineering-in-charge.				
a ))	Colum Base	6.85	Each Cum	5778.11	39580.00
b ))	Plinth Beam	5.46	Each Cum	6155.89	33611.00
c ))	Column & Beam	4.14	Each Cum	11582.20	47950.00
d ))	Lintel	0.37	Each Cum	9543.00	3531.00
e ))	Roof Slab	4.06	Each Cum	9992.90	40571.00
8	Cutting straightening coiled or bent up M.S.Rod or Tor steel (used from SAIL, TISCO, RINL) for bending, binding, welding and joining if necessary and tying the grills and placing in position as required for R.C.C. work and providing fan hook hoisting, lowering and laying including cost, conveyance, royalty of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	17.97	Each Qtl	9713.50	174552.00
9	Fly ash brick work in C.M(1:6) using Fly ash bricks of size (25 x 12 x 8)cm. having minimum compressive strength in work test not less than 75kg/cm <sup>2</sup> with dimensional tolerance + 8%after immersing the bricks for six hours in water before use in Foundation and Plinth including watering and curing with cost, conveyance, royalty and taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	38.46	Each Cum	4377.70	168366.00

10	Fly ash brick work in C.M (1:6) using Fly ash bricks of size (25 x 12 x 8)cm. having minimum compressive strength in work test not less than 75kg/cm <sup>2</sup> with dimensional tolerance + 8% after immersing the bricks for six hours in water before use in <b>Superstructure</b> including watering and curing with cost, conveyance, royalty and taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	23.56	Each Cum	4411.00	103923.00
11	2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard broken chips for new works including watering and curing cost, conveyance, royalties & taxes of all & cost of all labour with T&P etc. all respect as per direction of the Engineer-in-charge.	31.69	Each Sqm	323.00	10236.00
12	12mm thick Cement Plaster with Cement Morter (1:6) to outside brick wall surface finished smooth after racking out the joints including watering and curing with cost, conveyance, royalty and taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	413.85	Each Sqm	151.90	62864.00
13	16mm thick Cement Plaster in cement mortar (1:6) over brick surface finished smooth to inside rough surface of 10" thick brick walls after racking out the joints including watering, curing with cost, conveyance, royalty and taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	115.56	Each Sqm	214.80	24822.00
14	6mm thick Cement Plaster with C.M(1:4) with finished smooth including closed deep chipping and slurry treatment including watering and curing with cost, conveyance, royalty and taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	27.23	Each Sqm	131.30	3575.00
15	Supplying, fitting and fixing of vetrified tiles in floors of size 600mm x 600mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4) and filling joints with white cement of approved quality including cost of all work all complete as per direction of Engineer-in-charge.	9.15	Each Sqm	891.50	8157.00
16	Fixing vetrified tiles in dados, skirting and in rises of steps on 12 mm thick bed of cement plaster (1:3) joined with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing including cost of tile.	17.81	Each Sqm	1282.40	22840.00
17	Labour for fitting & fixing of antiskid tiles in floors, treads or steps and landing on 25mm thick bed of CM (1:1) joints with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of precast tiles.	13.96	Each Sqm	703.80	9825.00

18	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibrator compaction of approved size design and shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	277.50	Each Sqm	761.00	211178
19	Supplying, fitting and fixing M.S shutter and grill made out of M.S plate / M.S square bar / M.S flats / M.S angles as per approved drawing and design, cutting to required size and welding properly, finished smooth by machine grinding and sand papering, including cost, conveyance, taxes of all materials, required screws, cost of labour, T&P painting a coat of red lead primer and painting etc. as required for the work complete including the cost of making holes on brick or concrete structure subsequent mending good damages complete as per direction of the Engineer-in-charge.	1007.70	Each Kg	149.07	150218.00
20	Supplying, fitting and fixing M.S angles as per approved drawing and design, cutting to required size and welding properly, finished smooth by machine grinding and sand papering, including cost, conveyance, taxes of all materials, required screws, cost of labour, T&P painting a coat of red lead primer and painting etc. as required for the work complete including the cost of making holes on brick or concrete structure subsequent mending good damages complete as per direction of the Engineer-in-charge.	1505.68	Each Kg	165.10	248588.00
21	Fencing the entire area using PVC coated G.I chain link jally of 8SWG (4"X4") size fixed to M.S angle iron post of size 50x50x6mm (vertical member) @3.05m C/C with stay of M.S angle 50x50x5mm (diagonally attached) and fixed to horizontal member of M.S angle 40x40x5mm by means of fixing M.S nuts and bolts of approved size, T&P etc complete as per direction of Engineer-in-charge.	252.00	Each Sqm	271.00	68292.00
22	Painting two coats over a coat of primer to Steel / Iron works with any approved shade including cost, conveyance, taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	106.42	Each Sqm	197.60	21029.00
23	Finishing wall surface two coats with weather coat (ISI) to outer surface of wall with any approved shade including cost, conveyance, taxes of all materials and labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	529.57	Each Sqm	132.48	70157.00

24	Spreading excavated earth / supplied earth in layers, breaking clouds etc as per specification	225.00	Each Cum	127.12	28602.00
25	Fine dressing and Turfing including watering and ramming by mechanical transport within a lead of 5 km as directed by the Engineer-in-charge.	520.00	Each Sqm	16.50	8580.00
<b>Total 25 (Twenty-five) item Only</b>				<b>TOTAL</b>	<b>1832438.00</b>

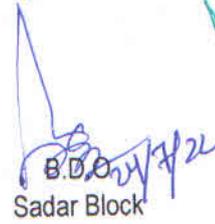
(Rupees Eighteen Lakhs Thirty-Two Thousand Four Hundred Thirty-Eight) only

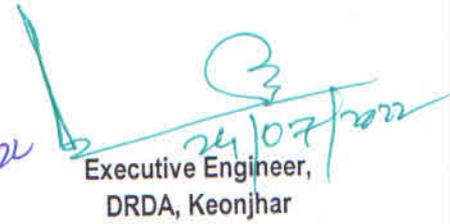
Tender schedule for the project :- **Construction of DMF Gram Udyana at Ranki under Sirispal G.P under DMF Sadar Block** is approved for Rs 18,32,438.00 (Rupees Eighteen Lakhs Thirty-Two Thousand Four Hundred Thirty-Eight ) only with 25 (Twenty-Five) items only.

G.S.T. cost in 12% (CGST 6% + SGST 6%) will be add at time of agreement

  
29/07/22

Asst. Executive Engineer  
Sadar Block

  
B.D.O.  
Sadar Block

  
24/07/22  
Executive Engineer,  
DRDA, Keonjhar

My / Our quoted rate is \_\_\_\_\_ %  
( Write both in words and Figures)

**Contractor**

**Note:**

- 1 The Contractor should not write anything except quoting of percentage excess / less / equal to the amount to Tender and in any case any thing else regarding tender rate is mentioned, the Tender is liable for rejection.
- 2 Strike out which are not applicable.
- 3 Percentage quoted by the contractor shall be accurately filled in figure and words, so that there is no discrepancy.
- 4 If any discrepancy is found in the percentage quoted in words and figure than the percentage quoted by the contractor in words shall be taken as correct.
- 5 The percentage quoted in the tender will out mentioning excess or less will be treated as excess.
- 6 The contractor should write percentage excess or less up to two decimal point only, if he/her writes the percentage excess or less more than two decimal points it will be treated as cancelled.

**Contractor**

**Block Development Officer  
Sadar Block**