

**URANIUM CORPORATION OF INDIA LIMITED, TUMMALAPALLE****Schedule of quantities for: Modification/ reconstruction of 05 nos. RCC foundations for MS tank at Process Plant.**

Item No.	Description of Work	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
1	Earth work in excavation in foundations, trenches, pits in all types of soil to all depths including ramming, dressing the sides, trimming, preparation of the bed for foundation, trenches for cables, pipe lines etc. including removing or spreading or stacking and disposing the surplus earth within a distance of 50m. complete including cost of all tools, tackles, labour etc. as per drawings, specifications and instructions of Engineer-in-charge.						
	a) Hard/ dense soil mixed with gravels and soft rock fragments and ordinary rock	350.00	M <sup>3</sup>				
	(Rate in words: Rupees.....)						
	b) Hard rock (without blasting)	50.00	M <sup>3</sup>				
	(Rate in words: Rupees.....)						
2	Earth filling by available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm. In depth, consolidating each deposited layer by ramming (allow for breaking up lumps, shrinkage etc.) including watering at all leads and lifts including cost of all tools, tackles and labour complete as directed by the Engineer-in-charge.	150.00	M <sup>3</sup>				
	(Rate in words: Rupees.....)						
3	Filling in plinth, foundations, floor etc., with available best approved quality stone dust including watering, ramming, consolidating etc., including cost of stone dust, tools, tackles and labour complete as per specifications, drawings and as directed by the Engineer-in-charge.	270.00	M <sup>3</sup>				
	(Rate in words: Rupees.....)						
4	Disposal of surplus earth / soft rock / hard rock as per drawings, specifications and as directed by Engineer-in-Charge including cost of all tools, tackles, lab our etc. complete.						
	Exceeding 50 m and up to a lead of 1 km.	250.00	M <sup>3</sup>				

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**(Rate in words: Rupees.....)**

- 5 Providing and laying plain cement concrete 1:3:6 (1 Cement : 3 Coarse sand : 6 Graded stone aggregate 20mm nominal size) in foundation, plinth, drains, wherever necessary, consolidating, finishing, curing etc., excluding the cost of centering and shuttering etc. including cost of all materials, labor, tools and tackles etc. as per drawings, specifications and directions of Engineer-in-charge complete in all respects

125.00 M<sup>3</sup>**(Rate in words: Rupees.....)**

- 6 Providing and laying reinforced cement concrete 1:1½:3 (1 Cement : 1½ Coarse sand : 3 Graded stone aggregate 20mm nominal size) using 20mm and down screened and washed stone chips including machine mixing, placing in position and mechanically vibrating in foundation and super-structure (excluding cost of centering, shuttering and reinforcement), finishing, curing complete in all respects as per specification and drawings as per directions of Engineer-in-charge.

300.00 M<sup>3</sup>**(Rate in words: Rupees.....)**

- 7 Providing, hoisting and fixing at any level precast reinforced cement concrete with 1:1½:3 (1 Cement : 1½ Coarse sand : 3 Graded stone aggregate 12.5mm nominal size) in string course, copings, bed plate, anchor blocks, plain window sills, shelves and the like including finishing and plastering the exposed surface with cement mortar 1: 3 (1 Cement: 3 Fine sand) of thickness not exceeding 6mm to give a smooth and even surface including centering and shuttering etc., but excluding cost of reinforcement at any level to anywhere.

0.50 M<sup>3</sup>**(Rate in words: Rupees.....)**

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Item No.	Description of Work	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
8	Steel reinforcement work including transporting, decoiling, straightening, derusting, placing, cutting to requisite length, hooking, bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection including removal of loose rust and applying a coat of cement wash (if necessary), complete in all respects at all levels as per drawings, specification and directions of Engineer-in-charge. (including the cost of steel)						
	TMT Bars	20000.00	Kg.				
	(Rate in words: Rupees.....)						
9	Providing and fixing plain/curved CENTERING AND SHUTTERING (Steel plate on steel frame or plywood on wooden frame) IN FOUNDATION, footings, raft beams, slabs, retaining walls, trenches, columns, plinth beam, lintels, suspended slabs, beams etc. for all depths and heights including strutting, bracing, propping etc. keeping the same in position during concreting and removal of the same after specified period etc. complete with all labour, tools, tackles, consumables as per direction of the Engineer-in-Charge.						
		650.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
10	Providing and GROUTING to the foundations, structures, equipments, base plates, anchor holes etc. , with proprietary FOSROC GP 2 as per specification (including shuttering wherever necessary) which shall be installed as per manufacturer's specifications etc, complete including cost of labour, tools, tackles, consumables as per direction of the Engineer-in-Charge.						
		0.25	M <sup>3</sup>				
	(Rate in words: Rupees.....)						
11	Providing brick work with fly ash bricks class designation 10 in cement mortar 1: 6 (1 Cement: 6 Medium sand) in foundation and superstructure including cost of all materials, labour, scaffolding, racking out joints, curing as per specifications and drawings, complete in all respects as directed by the Engineer-in-charge at all levels and all heights/depth.						
		20.00	M <sup>3</sup>				
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Item No.	Description of Work	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
12	Providing stone soling (300 thick.) with voids filled with sand at all lead and depths as per specifications, drawings and including cost of all materials, tools, tackles and labour complete as directed by the Engineer-in-charge.	100.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
13	Providing and laying 50mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete 1:1.5:3 (1cement : 1.5 coarse sand : 3 graded washed and screened stone aggregate using 20 mm nominal size ) and top layer with hardening compound(fosroc nitofloor) sprayed @ 5 kg per sq.m as per manufactures specifications and finished smooth with power trowel including cost of all materials, labour, tools and tackles etc. as per drawings, specifications and directions of Engineer-in-charge.	150.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
14	Providing 15mm thick cement plaster 1 : 6 (1 Cement :6 fine sand) to wall surface at all lead and lifts including scaffolding, racking the joints, backing the surface, finishing to correct lines, level, plumb as required, curing etc., complete in all respects as per drawing and specification and directions of Engineer-in-charge.	150.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
15	Providing 6mm thick cement plaster to concrete surfaces wherever necessary in cement mortar 1:3 (1 Cement : 3 Fine sand) including scaffolding raking the joints, backing the surface finishing to correct lines, level, plumb as required, curing etc., complete at all levels as per drawing and specification and directions of Engineer-in-charge.	10.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
16	Providing neat cement punning over masonry surfaces and like at all leads and lift as directed and specified by the Engineer-in-charge including cost of all materials, tools and tackles and labour etc. complete.	20.00	M <sup>2</sup>				
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Item No.	Description of Work	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
17	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade two or more coats over a coat of primer as directed and specified by the Engineer-in-charge including cost of all materials, labor, tools and tackles etc. complete.	100.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
18	Three coats of whitewashing to walls/ ceilings at various elevations including preparation of surface applying, protecting and cleaning etc. with all materials complete as per specifications and drawing and directions of Engineer-in-charge.	100.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
19	Painting with synthetic enamel paint of approved brand and manufacture etc., give an even shade, two or more coats in all shades complete in all respects at all heights as per drawings, specifications and directions of Engineer-in-charge.	50.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
20	Preparation of fabrication drawings, material indents, erection drgs, fabrication, transporting, storing and delivery including unloading and erection at site of Steel Structures consisting of building columns, crane girders, trusses, gantry columns, surge platforms, bracings, stairways & platforms, Rail fixing ladders and other related structures etc, with all accessories inclusive of bolts, nuts, washers, electrodes etc, complete in accordance with technical specifications and drawings and one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint as per direction of the Engineer-in-Charge.	2.00	MT				
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Item No.	Description of Work	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
21	Supply & installation of poly coated MS iron profile Sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT) thick Zinc coating 120 gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length up to 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/ self tapping screws of size (5.5x 55 mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.						
a)	Poly coated MS iron profile Sheets	150.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
b)	Same as above but for side cladding, sheets to be supplied as per specifications with approved quality and make and as directed by the Engineer-in-Charge.	80.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
22	Dismantling steel work in built up structural steel sections including all gusset plates, nuts, cutting and welding etc. including dismembering and stacking within 100 mtr. Lead as per directions of Engineer-in-charge.	1000.00	Kg.				
	(Rate in words: Rupees.....)						
23	Providing wearing course with bitumen mixed with sand including mixing , leveling including cost of all materials, labour ,tools and tackles etc. complete as per directions of Engineer-in-charge.	5.00	M <sup>3</sup>				
	(Rate in words: Rupees.....)						
24	Cutting and making holes of area not more than 0.5 sq.m. in masonry/RCC in all shapes including making good the same for fixing of exhaust fans, air conditioners etc. as per directions of Engineer-in-charge.	10.00	each				
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- 25 Supply , transportation & delivery at site, erection of translucent sheets of approved quality and make in line with specification for roof and side cladding with galvanized fitting & fixtures including cutting, binding of sheets to required shapes & sizes and erecting them in position with all labour, materials as per specification and drawing and as directed by Engineer-in-charge.

10.00 M<sup>2</sup>

(Rate in words: Rupees.....)

- 26 Providing and fixing poly-coated galvanized steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TACT) thick Zinc coating 120gsm as per IS:277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete.

- a) Ridges plain (500-600mm) 10 RM

(Rate in words: Rupees.....)

- b) Gutter (600 mm over all girth) 20 RM

(Rate in words: Rupees.....)

- 27 Constructing masonry open surface 35cm drain 30cm average depth with fly ash bricks class designation 10 in cement mortar 1 : 4 (1 Cement : 4 Fine sand) including earth excavation(in all types of soil including hard rock), 10cm thick bed concrete 1 : 3 : 6 (1 Cement : 3 coarse sand : 6 Graded stone aggregate of 20mm nominal size) and 25mm thick cement concrete 1 : 2 : 4 ( 1 Cement : 2 Coarse sand : 4 Graded stone aggregate 12.5 nominal size) for filling haunches including 12mm cement plaster 1 : 4 (1 Cement : 4 fine sand) with a floating coat of neat cement inside the drain, its top and exposed side including disposal of surplus earth complete as per standard design.

25.00 Metre

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Item No.	Description of Work	Quantity	Unit	Rate		Amount	
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28	Dismantling of roof sheeting/side cladding, stacking of serviceable materials at all elevations, lowering and disposal of the rubbish upto a lead of 1 K.M. as per drawings, specifications and directions of Engineer-in-charge.	2.00	M <sup>2</sup>				
	(Rate in words: Rupees.....)						
29	Dismantling RCC/PCC including steel reinforcement at all elevations disposal of the rubbish upto a lead of 1 K.M. as per drawings, specifications and directions of Engineer-in-charge.	25.00	M <sup>3</sup>				
	(Rate in words: Rupees.....)						

Total quoted amount Rs. \_\_\_\_\_)

(Rupees in words: Rupees \_\_\_\_\_only)

Rebate if any \_\_\_\_\_

Total quoted amount after rebate Rs. \_\_\_\_\_

Rupees in words \_\_\_\_\_only)

**Note:**

- 1 All the pages of tender document including price part must be duly signed by the tenderer with their seal
- 2 All the item rates must be written in figures and words
- 3 Rate written in words only shall be considered for evaluation of tender