

BOQ & PRICE BID FORMAT

NAME OF THE WORK : Raising of embankment height for ash pond C from RL 205.0M to RL 208.0M

<u>Sl. No</u>	<u>Item Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Rate (Rs)</u>	<u>Amount (Rs)</u>
1	Embankment raising with ash; by excavation of ash from Ash Pond 'A' by mechanical means loading into and transportation by mechanical means and unloading the ash within initial lead of 3 km on properly prepared and scientifically approved surface including spreading and leveling the earth in 22.5 cm layers to make ready for watering and compaction with Vibratory rollers and dozers including watering earthwork up to OMC condition and compaction by vibratory roller & dozer in layers not exceeding 22.5cm to required density in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road, hire & running charges of all machineries, royalty, taxes and borrow area etc. complete as per the direction of Engineer-in-charge. (measurement of the fill to be taken on the finished compacted section under OMC condition.)	Cum	348840.00		
2	Embankment raising with earth by 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 5 km on properly prepared and scientifically approved surface including spreading and leveling the earth in 22.5 cm layers to make ready for watering and compaction with Vibratory rollers and dozers including watering earthwork up to OMC condition and compaction by vibratory roller & dozer in layers not exceeding 22.5cm to required density in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road, hire & running charges of all machineries, royalty, taxes and borrow area etc. complete as per the direction of E.I.C. (measurement of the fill to be taken on the finished compacted section under OMC condition.)	Cum	83820.00		
3	Embankment raising by watering ash/earth up to OMC condition and compaction by vibratory rollers and dozer in layers not exceeding 25 cm to required density including hire and running charges of all the machineries complete as per direction of EIC (Measurement to be taken on the finished compacted section of the fill under OMC condition)	Cum	432660.00		
4	Supplying and spreading sand of approved specification on compacted surface of earth dam or dykes for filter blanket and other horizontal filter zone to proper thickness including surface dressing within initial lead complete as per direction of Engineer-in-charge.	Cum	10800.00		
5	Supplying and filling sand of approved specification in vertical chimney to proper line & level using removable sheet metal separators up to designed height of filter chimney within initial lead as directed by the Engineer-in-charge.	Cum	6180.00		
6	Excavation of compacted Ash/Earth for vertical sand chimney and connecting sand blanket to sand chimney including trimming of slopes and depositing the excavated materials away from site within an initial lead of 1 Km as per direction of EIC	Cum	8830.00		
7	Fine dressing and turfing in position with compact dub grass and ramming with thapies including cost, conveyance, taxes and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	62285.00		
8	Collecting, stacking and conveying from stack and spreading moorum consolidation with PRR including hire and running charges of PRR & turfing, watering etc. complete as per direction of Engineer-in-charge.	Cum	2915.00		
9	Collecting, Supplying and Stacking at work site hard granite crusher broken metal of size 25mm to 40mm in regular box heaps subject to deduction of voids and spreading the same over road surface, consolidation using moorum, watering and compaction with PRR including cost, conveyance, royalty, taxes of all materials and labour charges etc. complete as per direction of Engineer-in-charge.	Cum	1772.00		

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10	Providing and laying reinforced cement concrete R.C.C (1:1.5:3) using 12 mm size hard granite crusher broken chips including watering, curing, cost, conveyance, royalties, taxes of all materials required for the work etc. complete as per direction of Engineer -in-charge.	Cum	40.00		
11	Rigid and smooth centering and shuttering for R.C.C works including false works and dismantling them after casting including cost of materials, conveyance, taxes and labour charges etc. all complete as per direction of Engineer-in-charge.	Sqm	200.00		
12	Supplying, cutting, bending & binding and placing TMT reinforcement in position of required dia as per drawing including cost of materials, conveyance, taxes, labour, etc. all complete as per direction of Engineer-in-charge.	Qntl	44.00		
13	Supplying, fabrication and erection of all type of mild steel iron work for all type of structures, sheds, grills, doors, fencing posts ash pond approach bridge etc. with approved quality (SAIL or TISCO make) steel structural, angles, channels, plates, of all sections at all levels and elevations, painting with 02 coats of High gloss enamel paint over a coat of red oxide primer including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings etc. complete in all respect as per the direction of the Engineer in-Charge.	MT	15.00		
14	Dismantling of existing cross over 350 NB discharge pipe including excavation of earth as per requirement, dismantling of support pedestals, cutting and shifting of pipes, pedestals etc. all complete as per direction of EIC.	Mtr	4600.00		
15	Dismantling and shifting of existing 200 NB MS Pipe including excavation as per requirement, dismantling, cutting of pipes and shifting including shifting of support pedestals etc. all complete as per direction of EIC.	Mtr	1500.00		
16	Erection, welding and positioning of 200 NB MS Pipeline (dismantled and stored at site vide item no. 16) including supply fabrication and installation of pipe support clamps etc. all complete as per instruction of EIC.	Mtr	1500.00		
17	Fabrication, Erection and welding in position of 350NB M.S pipe including supply and installation of support pedestals pipe clams etc. all complete as per direction of EIC.	Mtr	4600.00		
18	Supply of 600NB, 9.5mm thick M.S. ERW pipe with wrapping coating	Mtr	80.00		
19	Erection & welding of 600NB M.S ERW pipe including all fittings and raising spindle etc. all complete as per direction of EIC.	Mtr	80.00		
20	Painting of two coats of synthetic high gloss enamel paint of any approved colour shed of appcolite paint over a coat of primer with all cost of materials, conveyance, labour etc. all complete.	Sqm	10166.00		
21	Supply of 600NB flanged type butter fly valve both side flange type & with gear box hand operated of L&T make with all accessories etc. complete including materials conveyance loading unloading etc.	Nos	2.00		
22	Erection of 600NB butter fly valve with raising spindle & hand wheel operated of reputed make suitable for ash water medium with all cost of labour etc. all complete as per direction of EIC	Nos	2.00		
23	Erection of 350NB manually operated knife-edge gate valve of reputed approved make suitable for bottom & flyash medium with all cost of materials, conveyance, T & P, labour etc. all complete as per direction of EIC.	Nos	16.00		

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24	Ash brick masonry in cement mortar(1:6) in foundation and plinth for all type of works of all thickness including all cost, splays cutting, watering, curing, conveyance, T & P, Scaffoldings, royalties, taxes & Duties of all materials and labour charges etc. complete as per direction of Engg.-in-charge. (Ash brick will be supplied from Ash Brick Plant of OPGC free of cost. Contractor has to arrange his own conveyance for transportation to Site)	Cum	150.00		
25	Ash bricks 23cm. Size pitching on flat including filling the interstices with sandy soil including all cost, conveyance, T & P, royalties, taxes of all materials required for the work & labour charges etc. complete as per the direction of Engineer-in-charge.	Sqm	4125.00		
26	Cement concrete(1:3:6) using 12 mm graded hard granite crusher broken chips including all cost, laying of concrete watering, curing, conveyance, T & P, royalties, taxes of all materials required for the work , Scaffolding & labour charges etc. complete as per the direction of Engineer-in-charge.	Cum	25.00		
27	Instrumentation:Providing and installing in position porous tube piezometer at specified locations including drilling cased bore holes of 100 mm diameter, cleaning them, assembling porous tube and PVC pipe of about 12M length with couplings, cleaning and driving out air from the pores of porous tube, pouring clean saturated coarse sand around the porous tube, backfilling with cement sand grout (1cement : 4sand) around the PVC pipe, providing removable cover for the PVC pipe and casing, and fabricating and installing protective fence complete with the cost of brass bottom plug, brass adapter, cost of the portion of steel casing pipe to be left in the bore hole, including the cost of all labour, equipment, materials, transportation to site. All leads & lifts etc. complete as per specification, drawings and as directed by the Owner's Representative.	Nos	5.00		
28	Earth covering over ash filled area by 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 5 km on properly prepared and scientifically approved surface including spreading and levelling the earth in 120mm thick layer (Loose) including construction, maintenance, watering and lighting of haul road and borrow area and finishing it with required slope including all cost of materials,royalty,taxes,POL etc. complete as per the direction of Engineer-in-charge.	Sqm	65000.00		
TOTAL VALUE IN INR (EXCLUDING GST)					
GST extra at actuals, applicable SAC code along with % to be indicated in your price bid					