Bill of Quantities & Price Bid Format  Item Description  Item Desc	Scope of Work, BOQ & Price Bid Format for Construction of Coal Settling Pit at Manoharpur Yard						
Earth work excavation in all kinds of soil by mechanical means loading into whe leads and 2.0 mtrs lifts on property prepared and scientifically approved surface including spreading and levelling the earth in 22.5 cm layers including watering and compaction with sheep foot roller and dozer in embankment for all heights including construction, maintenance, watering and lighting of haul road and borrow areas otc. complete including royalty as per the direction of Engineer - in- Charge.  Back filling from the excavated soil with compaction 90% at OMC condition in foundation and plinth including spreading and levelling the earth in 2.25 cm layers including watering and compaction etc. complete as per the direction of Engineer - in- Charge.  Fine dressing of earth work in ordinary or hard soil including cutting or filling a cart th upto 0.15m depth of surface complete as per the direction of Engineer - in- Charge.  Gement concrete (13.36) using 40-10mm size hard granite chips including cost of material, conveyence, labour, TsP, royalty etc complete in all respect as per direction of Engineer - in- Charge (Cement 43 Grade ACC/BIRIA GOLD/ ULTRATECH/ MBUJA)  Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab circle for collection of the TsP, royalty etc complete in all respect as per direction of the Engineer - in- Charge (Ement 53 Grade ACC/BIRIA GOLD/ ULTRATECH/ MBUJA)  Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab circle in column properties of the direction of the Engineer - in- Charge (Ement 53 Grade ACC/BIRIA) and plants, etc., complete as per threating in position of reinforcement HYSD bar (FeSOO) with 18 gauge anealed binding wire including cost of material, conveyence, labour, TsP, royalty e							
and transportation by mechanical means and unloading the soil within 2 KM leads and 2,0 mtrs lifts on property prepared and scientificially approved 1 varieties and compaction with sheep foot roller and dozer in embankment for all heights including construction, maintenance, watering and lighting of hauf road and borrow areas etc. complete including royalty as per the direction of Engineer - in- Charge.  Back filling from the exavated soil with compaction 90% at 0MC condition in foundation and plinth including spreading and levelling the earth in 22.5 cm layers including watering and compaction evel including rotal than 22.5 cm layers including watering and compaction evel including cutting of Engineer - in- Charge.  Fine drossing of earth work in ordinary or hard soil including cutting or filling earth upto 0.15m depth of surface complete as per the direction of Engineer - in- Charge.  Cement concrete (1:3.5) using 40-10mm size hard granite chips including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer - in- Charge (Cement 35 Grade ACC/BIRLA GOLD/ ULTRATECH/ AMBUJA) of PPC or OPC)  RCC work of M20 grade with 20mm and down grade hard granite chips including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer in- Charge (Cement 35 Grade ACC/BIRLA GOLD/ ULTRATECH/ AMBUJA)  Providing and fixing strong, rigid, smooth, levelled, and plumbed CEXTERING ADD SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab etc including good of all materials, labour, crowyeance, labour, T&P etc. Complete as per the direction of the Engineer in-Charge  Providing and fixing strong, rigid, smooth, levelled, and plumbed CEXTERING  This providing supplying, lifting, shifting, conting, plumbed grade plumbed gr	SI		Unit	Quantity	Rate (Rs.)	Amount (Rs.)	
a in foundation and plinth including spreading and levelling the earth in 22.5cm layers including watering and compaction etc. complete as per the direction of Engineer -in- Charge.  Fine dressing of earth work in ordinary or hard soil including cutting or filling earth upto 0.15m depth of surface complete as per the direction of the Engineer- in- Charge.  Coment concrete (1:3:6) using 40-10mm size hard granite chips including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer- in- Charge (Cement 43 Grade ACC/BIRLA GULD/ ULTRATECH/ AMBUJA of PPC or OPC)  RCC work of M20 grade with 20mm and down grade hard granite chips including hosting and ladying including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer- in- Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/ AMBUJA)  Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab etc. including cost of all materials, labour, conveyance, loading and unloading, royalties, scaffolding, supplying, litting, shifting, cutting, bending, fabricating, fixing in position of reinforcement HYSD bar (Fe500) with 18 gauge anealed binding wire including cost of material, conveyence, shifting, litting, placing, binding, labour, T&P etc complete as per the direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Providing and making of fly ash brick masonry in cement mortar (1:6) in superstructure including cost of material, conveyence, labour, T&P etc. complete in all respect as per direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Providing 12mm thick cement plaster with C.M. (1:4) over brick work including cost of material, conveyence, labour, T&P etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding r	1	and transportation by mechanical means and unloading the soil within 2 KM leads and 2.0 mtrs lifts on properly prepared and scientifically approved surface including spreading and levelling the earth in 22.5cm layers including watering and compaction with sheep foot roller and dozer in embankment for all heights including construction, maintenance, watering and lighting of haul road and borrow areas etc. complete including royalty as per the	Cum	1485.00			
a earth upto 0.15m depth of surface complete as per the direction of the Engineer- in- Charge.  Cement concrete (1:3:6) using 40-10mm size hard granite chips including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer- in- Charge (Cement 43 Grade ACC/BIRLA GOLD/ ULTRATECH/ AMBUJA of PPC or OPC)  RCC work of M20 grade with 20mm and down grade hard granite chips including hoisting and laying including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer- in- Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/ AMBUJA)  Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab etc. Including cost of all materials, labour, conveyance, loading and unloading royalties, scaffolding, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-Charge  Providing, supplying, lifting, shifting, cutting, bending, fabricating, fixing in position of reinforcement HYSD bar (Fe500) with 18 gauge anealed binding, labour, T&P etc complete as per the direction of the Engineer-in-Charge (TMT - SAIL/TATA/JINDAL)  Providing and making of fly ash brick masonry in cement mortar (1:6) in superstructure including cost of material, conveyence, labour, T&P etc complete in all respect as per direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Supplying,Manufacturing & Fixing Embedded parts (MS gate) in concrete including anotherial, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer in-Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Supplying,Manufacturing & Fixing Embedded parts (MS gate) in concrete including anotherial, conveyence, labour, T&P etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding rigidity to reinforcement a	2	in foundation and plinth including spreading and levelling the earth in 22.5cm layers including watering and compaction etc. complete as per the	Cum	410.03			
as per direction of Engineer- in- Charge (Cement 43 Grade ACC/BIRLA GOLD/ ULTRATECH/ AMBUJA of PPC or OPC)  RCC work of M20 grade with 20mm and down grade hard granite chips including hoisting and laying including cost of material, conveyence, labour, TRP, royalty etc complete in all respect as per direction of Engineer- in- Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/ AMBUJA)  Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab etc. including cost of all materials, labour, conveyance, loading and unloading, royalties, scaffolding, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-Charge  Providing, supplying, lifting, shifting, cutting, bending, fabricating, fixing in position of reinforcement HYSD bar (Fe500) with 18 gauge anealed binding wire including cost of material, conveyence, shifting, lifting, placing, binding, labour, T&P etc complete as per the direction of the Engineer-in-Charge (TMT - SAIL/TATA/JINDAL)  Providing and making of fly ash brick masonry in cement mortar (1:6) in superstructure including cost of material, conveyence, labour, T&P etc complete in all respect as per direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Providing 12mm thick cement plaster with C.M. (1:4) over brick work including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD)  Providing 12mm thick cement plaster with C.M. (1:4) over brick work including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer in charge (Sement 53 Grade ACC/BIRLA GOLD)  Supplying Manufacturing & Fixing Embedded parts (MS gate) in concrete including anchoring and Placing in specified positions including supply of all materials, cutting, welding, conveyence, Labour, T	3	earth upto 0.15m depth of surface complete as per the direction of the	Sqm	1172.60			
including hoisting and laying including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer in-Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/ AMBUJA)  Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab etc. including cost of all materials, labour, conveyance, loading and unloading, royalties, scaffolding, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-Charge  Providing, supplying, lifting, shifting, cutting, bending, fabricating, fixing in position of reinforcement HYSD bar (Fe500) with 18 gauge anealed binding wire including cost of material, conveyence, shifting, lifting, placing, binding, labour, T&P etc complete as per the direction of the Engineer -in-Charge (TMT - SAIL/TATA/JINDAL)  Providing and making of fly ash brick masonry in cement mortar (1:6) in superstructure including cost of material, conveyence, labour, T&P etc complete in all respect as per direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Providing 12mm thick cement plaster with C.M. (1:4) over brick work including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer in- Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Supplying,Manufacturing & Fixing Embedded parts (MS gate) in concrete including anchoring and Placing in specified positions including supply of all materials, cutting, welding, conveyence, Labour, T&P, etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding rigidly to reinforcement as directed by Engineer-in-Charge. (Steel - SAIL/TATA/JINDAL)  Supply and laying 600NB non-pressure pipes conforming to 15: 458 - 2003 with socket and spigot ends of the following internal diameter as per specification complete including cost of mate	4	cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer- in- Charge (Cement 43 Grade ACC/BIRLA	Cum	91.00			
AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab etc. including cost of all materials, labour, conveyance, loading and unloading, royalties, scaffolding, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-Charge  Providing, supplying, lifting, shifting, cutting, bending, fabricating, fixing in position of reinforcement HYSD bar (Fe500) with 18 gauge anealed binding wire including cost of material, conveyence, shifting, lifting, placing, binding, labour, T&P etc complete as per the direction of the Engineer-in-Charge (TMT - SAIL/TATA/JINDAL)  Providing and making of fly ash brick masonry in cement mortar (1:6) in superstructure including cost of material, conveyence, labour, T&P etc complete in all respect as per direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Providing 12mm thick cement plaster with C.M. (1:4) over brick work including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer -in- Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Supplying,Manufacturing & Fixing Embedded parts (MS gate) in concrete including anchoring and Placing in specified positions including supply of all materials, cutting, welding, conveyence, Labour, T&P etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding rigidly to reinforcement as directed by Engineer-in-Charge. (Steel - SAIL/TATA/JINDAL)  Supply and laying 600NB non-pressure NP4 class Laying (to level or slopes) conforming to IS 458-2003 and jointing with cement mortar 1:2 (1 cement : 2 fine sand) including testing of joints etc. of concrete pipes Class NP-4, reinforced heavy duty non-pressure pipes conforming to IS:458-2003 with socket and spigot ends of the following internal diameter as per specification complete including cost of materials, loading, un-loading, transporting,	5	including hoisting and laying including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer- in-	Cum	209.70			
Providing, supplying, lifting, shifting, cutting, bending, fabricating, fixing in position of reinforcement HYSD bar (Fe500) with 18 gauge anealed binding wire including cost of material, conveyence, shifting, lifting, placing, binding, labour, T&P etc complete as per the direction of the Engineer -in-Charge (TMT - SAIL/TATA/JINDAL)  Providing and making of fly ash brick masonry in cement mortar (1:6) in superstructure including cost of material, conveyence, labour, T&P etc complete in all respect as per direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Providing 12mm thick cement plaster with C.M. (1:4) over brick work including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer -in- Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Supplying,Manufacturing & Fixing Embedded parts (MS gate) in concrete including anchoring and Placing in specified positions including supply of all materials, cutting, welding, conveyence, Labour, T&P etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding rigidly to reinforcement as directed by Engineer-in-Charge. (Steel - SAIL/TATA/JINDAL)  Supply and laying 600NB non-pressure NP4 class Laying (to level or slopes) conforming to IS 458-2003 and jointing with cement mortar 1:2 (1 cement : 2 fine sand) including testing of joints etc.of concrete pipes Class NP-4, reinforced heavy duty non-pressure pipes conforming to IS:458-2003 with socket and spigot ends of the following internal diameter as per specification complete including cost of materials, loading , un-loading , transporting,	6	AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting for column, beam, slab etc. including cost of all materials, labour, conveyance, loading and unloading, royalties, scaffolding, sundries, tools and plants, etc., complete as per the	Sqm	220.08			
8 superstructure including cost of material, conveyence, labour, T&P etc complete in all respect as per direction of Engineer in Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Providing 12mm thick cement plaster with C.M. (1:4) over brick work including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer -in- Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Supplying,Manufacturing & Fixing Embedded parts (MS gate) in concrete including anchoring and Placing in specified positions including supply of all materials, cutting, welding, conveyence, Labour, T&P etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding rigidly to reinforcement as directed by Engineer-in-Charge. (Steel - SAIL/TATA/JINDAL)  Supply and laying 600NB non-pressure NP4 class Laying (to level or slopes) conforming to IS 458-2003 and jointing with cement mortar 1:2 (1 cement : 2 fine sand) including testing of joints etc.of concrete pipes Class NP-4, reinforced heavy duty non-pressure pipes conforming to IS:458 -2003 with socket and spigot ends of the following internal diameter as per specification complete including cost of materials, loading , un-loading , transporting,	7	Providing, supplying, lifting, shifting, cutting, bending, fabricating, fixing in position of reinforcement HYSD bar (Fe500) with 18 gauge anealed binding wire including cost of material, conveyence, shifting, lifting, placing, binding, labour, T&P etc complete as per the direction of the Engineer -in-	Qntl	106.13			
9 including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer -in- Charge (Cement 53 Grade ACC/BIRLA GOLD/ ULTRATECH/AMBUJA)  Supplying, Manufacturing & Fixing Embedded parts (MS gate) in concrete including anchoring and Placing in specified positions including supply of all materials, cutting, welding, conveyence, Labour, T&P etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding rigidly to reinforcement as directed by Engineer-in-Charge. (Steel - SAIL/TATA/JINDAL)  Supply and laying 600NB non-pressure NP4 class Laying (to level or slopes) conforming to IS 458-2003 and jointing with cement mortar 1:2 (1 cement : 2 fine sand) including testing of joints etc.of concrete pipes Class NP-4, reinforced heavy duty non-pressure pipes conforming to IS:458 -2003 with socket and spigot ends of the following internal diameter as per specification complete including cost of materials ,loading , un-loading , transporting,	8	superstructure including cost of material, conveyence, labour, T&P etc complete in all respect as per direction of Engineer in Charge (Cement 53	Cum	188.93			
Supplying, Manufacturing & Fixing Embedded parts (MS gate) in concrete including anchoring and Placing in specified positions including supply of all materials, cutting, welding, conveyence, Labour, T&P etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding rigidly to reinforcement as directed by Engineer-in-Charge. (Steel - SAIL/TATA/JINDAL)  Supply and laying 600NB non-pressure NP4 class Laying (to level or slopes) conforming to IS 458-2003 and jointing with cement mortar 1:2 (1 cement : 2 fine sand) including testing of joints etc.of concrete pipes Class NP-4, reinforced heavy duty non-pressure pipes conforming to IS:458 -2003 with socket and spigot ends of the following internal diameter as per specification complete including cost of materials ,loading , un-loading , transporting,	9	including cost of material, conveyence, labour, T&P, royalty etc complete in all respect as per direction of Engineer -in- Charge (Cement 53 Grade	Sqm	627.83			
conforming to IS 458-2003 and jointing with cement mortar 1:2 (1 cement : 2 fine sand) including testing of joints etc.of concrete pipes Class NP-4, reinforced heavy duty non-pressure pipes conforming to IS:458 -2003 with socket and spigot ends of the following internal diameter as per specification complete including cost of materials ,loading , un-loading , transporting,	10	including anchoring and Placing in specified positions including supply of all materials, cutting, welding, conveyence, Labour, T&P etc. for manufacturing embedded parts as per drawing and fixing in position in proper alignment by welding rigidly to reinforcement as directed by Engineer-in-Charge. (Steel -	Qntl	0.59			
of the Engineer-in-Charge.	11	conforming to IS 458-2003 and jointing with cement mortar 1:2 (1 cement: 2 fine sand) including testing of joints etc. of concrete pipes Class NP-4, reinforced heavy duty non-pressure pipes conforming to IS:458-2003 with socket and spigot ends of the following internal diameter as per specification complete including cost of materials ,loading, un-loading, transporting, conveyance, placing in position etc. all complete as per drawing & direction	RMT	10.00			
Supplying, manufacturing, fitting and fixing of 32 NB medium class GI pipes confirming to IS 1239 and Galvanised to 450 g/Sqm confirming to IS 4736 both for hand railing 2 row @ 0.5 mtr. C/C and Balustrade @ 1.0 mtr. C/C in coal settling pit case as per approved design and specification, buffing, polishing etc with cost of material, consumables, conveyance, labour, T&P, cutting, bending, welding, grinding, buffing, consumables etc. required for the complete in all respect as per the direction of the Engineer- in- Charge.	12	confirming to IS 1239 and Galvanised to 450 g/Sqm confirming to IS 4736 both for hand railing 2 row @ 0.5 mtr. C/C and Balustrade @ 1.0 mtr. C/C in coal settling pit case as per approved design and specification, buffing, polishing etc with cost of material, consumables, conveyance, labour, T&P, cutting, bending, welding, grinding, buffing, consumables etc. required for	RMT	145.20			
TOTAL VALUE IN INR (EXCLUDING GST)	TOTAL VALUE IN INR (EXCLUDING GST)						
GST EXTRA AT ACTUALS		GST EXTRA AT ACTUALS					