

Schedule for: "Excavation of Hard rock, all R.C.C. works/brick wall/cleaning and finishing works at underground Narwapahar Mines -2014-2015(One year). Phase-I(Labour Oriented Works).

Sl.No.	Description of item	Quantity	Unit	Rate	Amount
01	Excavation of Hard Rock where blasting is prohibited for any structure at any level and stacking of same spoils within a lead of 100 mtr. Including cost of Labour as per direction of Engineer in-charge.	75.00	Cu.M.		
(Rate in words: Only)					
02	Excavation of loose muck/loose boulder/compacted muck or rock boulder upto a depth of 1.50m of any structure at any level in underground and stacking the same within a lead of 100 mtr. Including cost of labour as per direction of Engineer-in-charge. Measurement will be given an actual measurement but not exceeding 18 trolleys or 1.8 m ³ per man per shift.	3600.00	Cu.M.		
(Rate in words: Only)					
03	Disposing/Loading/unloading the loose muck/boulder into LHD/LPDT/MT/ST (as and when available) at underground mines as per direction of Engineer-in-charge with in a lead of 100 mtr. Including cost of labour charges.	355.00	Cu.M.		
(Rate in words: Only)					
04	Removal of Loose muck/sludge/ waste rock boulder from conveyor bottom/sump drain bottom/ any floor level at any level except 355 M level (0.74 M ³ capacity) and unloading the same at surface waste bin or sump pit within a lead of 100 mtr. Including cost of labour and as per direction of Engineer-in-charge.	100.00	Tub		
(Rate in words: Only)					
05	Labour charges for construction of R.C.C drain as per standard section including reinforcement, shuttering, de-shuttering and concreting with mix of 1:1.5:3 (1 cement :1½ sand:3 stone aggregate 20 mm nominal size) (Payment for excavation will be made under item No.1 & 2 above as per site condition) and as per direction of Engineer in-charge.	250.00	R.M.		
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Sl.No.	Description of item	Quantity	Unit	Rate	Amount
06	Labour charges for spreading of 40mm/20mm/12mm down stone chips or waste rock aggregate on road surface for making new or road repairing in underground mines at any level with in a lead of 100 mtr. As per direction of Engineer-in-charge. Mode of payment will be actual measurement but not exceeding 20 trollies or 2.0 M ³ per man per shift.	450.00	Cu.M.		
(Rate in words: Only)					
07	Labour charges for filling of road with available loose muck/over size boulder/ waste rock aggregate (90 mm to 63 mm size) within a leading of 100 mtr. As per direction of Engineer in-charge. Mode of payment will be actual measurement but not exceeding 2.50M ³ /man per shift.	150.00	Cu.M.		
(Rate in words: Only)					
08	Labour charges for construction of drain across the road as per standard drawing(x-drain) including reinforcement, structural steel, shuttering de-shuttering and concreting (4 Nos. M.S. Angle 75 X 75 or equivalent weight and lugs to be welded for resting the drain covers as shown in drawing) and necessary excavation in hard rock/ compacted muck with boulder as per direction of Engineer in-charge.(Payment for excavation will be made under item No.1 & 2).	56.00	R.M.		
(Rate in words: Only)					
09	Labour charges for mixing, placing, vibrating and compacting of concrete mix R.C.C. (1:1½:3) at any structure any height any level of underground mines with in a lead of 100 mtr. (excluding reinforcement)	200.00	Cu.M.		
(Rate in words: Only)					
10	Labour charges for straightening, cutting Bending, placing and binding steel reinforcement of any dia. at underground working site at different level in any location and lift as per direction of Engineer-in-charge.	4.00	M.T.		
(Rate in words: Only)					
11.	Labour charges for fixing and removal of form work at underground at any level and any lift as per direction of Engineer-in-charge.	800.00	Sq.M		
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Sl.No.	Description of item	Quantity	Unit	Rate	Amount
12	Labour charges for mixing, placing and compacting of P.C.C. work of mix 1:3:6 at underground at any level and any location as per direction of Engineer-in-charge.	10.00	Cu.M.		
(Rate in words:				Only)	
13	Labour charges for cleaning of drains of all sizes and any depth of underground mines at any level and location and stacking the loose muck obtained from cleaning within a lead of 100 mtr. Including removing and fixing the drain cover at the time of cleaning as per instruction of Engineer-in-charge. Payment will be made as an actual measurement but not exceeding 20 R.M./Man/shift.	23000.00	R.M.		
(Rate in words:				Only)	
14	Labour charges for cutting of existing underground road(stone aggregate topped road) up to a depth of 500 mm by means of paving breaker/ pickaxe (manually) with given proper slope and leveling and disposal the same surplus excavated materials at nearest loading point by manually within a lead of 100 mtr. As per direction of Engineer in-charge. Payment will be made as an actual measurement but not exceeding 1.20 M ³ per man per shift.	730.00	Cu.M.		
(Rate in words:				Only)	
15	Labour charges for fixing steel work welder in built up section, framed work including cutting, hoisting , fixing and welding in position and as per direction of Engineer in-charge.				
a)	In R.S. Joists, Rails				
i)	Fabrication & fixing	0.10	M.T.		
(Rate in words:				Only)	
ii)	Only Fixing	0.50	M.T.		
(Rate in words:				Only)	
15 b)	In Tees, angle, flat, plates, channels, Chequered plates, grating, pipes and any other structural steel sections				
i)	Fabrication & fixing	1.00	M.T.		
(Rate in words				Only)	
ii)	Only fixing	0.50	M.T.		
(Rate in words:				Only)	

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Sl.No.	Description of item	Quantity	Unit	Rate	Amount
16	Labour charges for brick masonry /stone boulder masonry in foundation and super structure of any structure at any level and any height with cement sand mortar of any mix and any thickness as per direction of Engineer-in-charge at underground as per direction of Engineer-in-charge.	25.00	Cu.M.		
(Rate in words: Only)					
17	Labour charges for 15mm thick cement plaster of any mix at underground working sites at all leads and lift completed as per direction of Engineer-in- charge.	150.00	Sq.M.		
(Rate in words: Only)					
18	Labour charges for fixing of G.S. /C.G..I/M.S. sheets fixed with 'J' or 'L' hooks and with necessary nut & bolt at underground working sites at all leads and lifts complete as per direction of Engineer-in-charge. (Payment of Structural steel will be made under item No.15 (a) & (b).	10.00	Sq.M.		
(Rate in words: Only)					
19	Labour charges for loading unloading , removing old M.S. drain covers and fixing new fabricated M.S. drain covers after necessary cleaning including disposal of old drain cover to Civil store yard at surface complete as per direction of Engineer-in-charge.	100.00	No.		
(Rate in words: Only)					
20.	Labour charges for repair of side drain / cross drain including dismantling of damaged R.C.C. drain wall removal of reinforcement, structural steel etc. and disposal of rubbish to a lead of 100 mtr. and stacking of serviceable materials to Civil Store yard at surface and making good the drain with new R.C.C. wall. Reinforcement and shuttering etc. complete as per direction of Engineer in-charge. (Structural steel will be paid separately).	2.00	R.M.		
(Rate in words: Only)					
21.	Labour charges for casting precast P.C.C. blocks of 150 mm thickness including shuttering concreting, curing and shifting the same to underground working site and fixing in proper level/gradient....in road and jointing the gaps with cement sand mortar 1:2 (1 cement :2 fine sand) completed as per direction of Engineer in charge.	8.00	Sq.M.		
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Sl.No.	Description of item	Quantity	Unit	Rate	Amount
22.	Floor cleaning on oil spill ways area with applying sulphomic acid / oxalic acid/ soda/lime /saw dust and removing the oil with silt by rubbing with wire brush or hard broom / rubber brush including cleaning /washing the same area as per direction of Engineer –in-charge including cost of labour payment will be made an actual measurement but not exceeding 60.00 Sqr. Meter per man per shift.	100.00	Sq.M.		
(Rate in words		Only)			
23.	Labour rate for one or more coat (if, required) of white washing with lime over uneven rock surface at underground by using compressed air as per composition given below to give an even shade including cleaning the surface by water/air all completed and as per direction of Engineer-in-charge at all leads and lift (All materials, tools & tackles for the work will be issued free of cost by the department on returnable basis.... Composition: - i) Water @ 5 litres per Kg. of lime for making cream. ii) Fevical DDL @ 4 gm. Per litre of lime cream. iii) Blue @ 2 gms per Kg. of lime cream.	85000.00	Sq.M.		
(Rate in words:		Only)			
24.	Demolishing of brick work / stone masonry /P.C.C. work /R.C.C. work including disposal of all serviceable materials within a lead of 50 mtr. in underground at any level, any location as per direction of Engineer in-charge.	10.00	Cu.M.		
(Rate in words		Only)			
25.	Dismantling of steel work in built up section in R.S. Joist / rails, angles, tees, flats, channels etc. including removing all nuts/ bolts/ welding and stacking the same with in a lead of 50 mtr. complete including cost of labour charges as per direction of Engineer-in-charge.	1.00	M.T.		
(Rate in words:		Only)			
26.	Dismantling of steel work in built up section M.S. sheeting including removing of all nuts, bolts/ welding and stacking the same with in a lead of 50 mtr. (Structural steel will be paid in item No.25) complete as per direction of Engineer-in-charge.	7.00	Sq.M.		
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Sl.No.	Description of item	Quantity	Unit	Rate	Amount
27.	Labour charges for fixing of chain link fencing with nut/bolts, angles, flats, tees etc. as per direction of Engineer-in-charge. (Payment of structural steel will be paid in item No.15).	7.00	Sq.M.		
(Rate in words:				Only)	
Total Quoted Amount in Rs.					
Total amount in words:				only	
Overall rebate, if any:				(in figures and words)	

Note: -

1. All item rates must be written in figures and words in case of any discrepancies arises in the rate written in words & figures then rate written in words shall be considered.
2. All the pages of tender document must be duly signed by tenderer along with their seal.
3. Overall rebate, if any must be quoted in the above column only and written elsewhere shall not be considered.
4. P.F., Ex-gratia & Service Tax are to be included in the quoted price.
5. Conditional tender submitted by the tenderers will be summarily rejected without any prejudice. Tender are advised to quote their rates as per N.I.T. & tender Conditions.
