

# **PART II**

## **PRICE PART**

**N.I.T. No - UCIL /BGT /MM /54**

# TABLE FOR FILLING UP THE RATE

N.I.T. No. UCIL /BGT /MM /54

## Special Instructions to the Tenderers

The tender should be submitted in a sealed **Cover Envelope** (superscribed with NIT No, Name of the work, date and time of opening, name & address of the party).

The cover envelope should have two more envelopes, **Envelope-I & Envelope-II** containing the following details.

**Envelope-I:** It should contain the Earnest Money Deposit /Bank Guarantee in original along with two sets of photocopies.

**Envelope-II:** It should contain two more envelopes, viz. **Price Part Envelope & Technical Part Envelope.**

**Price Part Envelope:** It should contain the Price Offer in original and two sets of photocopies of the same Price Offer.

**Technical Part Envelope:** It should contain the **Technical Part (without price offered)** along with the **credentials etc.** and **two sets of photocopy of these documents.**

The credentials should carry **a declaration of fulfilling the essential requirements** as specified in the tender notice and also contain **a summary supporting this declaration.**

All the envelopes should be super scribed with: NIT No, Name of the Tenderer, and Date of Opening of Tender as advertised /notified.

All the pages of the tender document including the Price Part should be duly signed along with the seal of the tenderer without which tenders are likely to be rejected.

Signature of the Tenderer with Seal

Schedule of Quantities for : **UNDERGROUND MINE DEVELOPMENT WORK AT BAGJATA MINE**

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
1	<p><b>Excavation of 7-degree Access Decline without RCC Arching including RCC drain</b> (as per Drg No-1) at Bagjata Mines in hard /soft /weathered rock formations <u>including</u> all materials (<u>except</u> explosive, detonators, rock bolts, crib sets, chock mates, chain link, pipes, hoses, fittings, clamps, ventilation ducts, power and other cables, light fittings, bulbs, tube lights), all equipment (<u>except</u> Drilling Jumbo, Diesel LHD, Mine Trucks, electric pumps, pneumatic face pumps, ventilation fans, switch gears, circuit breakers, Gate end Boxes, Lighting transformers, cap lamps, charging rakes, and spares, consumables, fuel and lubricants for these equipment), <b>all labour, plant, tools, tackles, all activities whatsoever</b> like face preparation, drilling, blasting, ventilation, supporting, platform making, ladder fixing, mucking, dewatering, house keeping, transportation of all materials from surface to underground and vice versa and all incidental miscellaneous works like fitting /laying /installation / charging /connection /disconnection / maintenance /repair of 1", 2", 4", 6". 8" pipes, fittings, valves, fans, ventilation ducts and cables, (signalling /lighting /power), switch gears, joint boxes, lighting transformers /lights and light fittings and hauling up of excavated muck from underground to the waste rock disposal site at surface within a radius of <b>500 m</b> from the Decline mouth as per the direction of the Engineer-in-charge.</p>	50	RM				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
2	<p><b>Excavation of Drifts /X-Cuts without RCC Arching in 1:200 gradient including RCC drain</b> (as per Drg No-2) at Bagjata Mines in hard /soft /weathered rock formations including all materials (<b>except</b> explosive, detonators, rock bolts, crib sets, chock mates, chain link, pipes, hoses, fittings, clamps, ventilation ducts, power and other cables, light fittings, bulbs, tube lights), all equipment (<b>except</b> Drilling Jumbo, Diesel LHD, Mine Trucks, electric pumps, pneumatic face pumps, ventilation fans, switch gears, circuit breakers, Gate end Boxes, Lighting transformers, cap lamps, charging rakes, and spares, consumables, fuel and lubricants for these equipment), <b>all labour, plant, tools, tackles, all activities whatsoever</b> like face preparation, drilling, blasting, ventilation, supporting, platform making, ladder fixing, mucking, dewatering, house keeping, transportation of all materials from surface to underground and vice versa and all incidental miscellaneous works like fitting /laying /installation / charging /connection /disconnection / maintenance /repair of 1", 2", 4", 6". 8" pipes, fittings, valves, fans, ventilation ducts and cables, (signalling /lighting /power), switch gears, joint boxes, lighting transformers /lights and light fittings and hauling up of excavated muck from underground to the waste rock disposal site at surface within a radius of <b>500 m</b> from the Decline mouth as per the direction of the Engineer-in-charge.</p>	700	RM				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
3	<p><b>Excavation of 8-degree Ramps without RCC Arching including drain</b> (as per Drg No-3) at Bagjata Mines in hard /soft /weathered rock formations including all materials (<b>except</b> explosive, detonators, rock bolts, crib sets, chock mates, chain link, pipes, hoses, fittings, clamps, ventilation ducts, power and other cables, light fittings, bulbs, tube lights), all equipment (<b>except</b> Drilling Jumbo, Diesel LHD, Mine Trucks, electric pumps, pneumatic face pumps, ventilation fans, switch gears, circuit breakers, Gate end Boxes, Lighting transformers, cap lamps, charging rakes, and spares, consumables, fuel and lubricants for these equipment), all labour, plant, tools, tackles, all activities whatsoever like face preparation, drilling, blasting, ventilation, supporting, platform making, ladder fixing, mucking, dewatering, house keeping, transportation of all materials from surface to underground and vice versa and all incidental miscellaneous works like fitting /laying /installation / charging /connection /disconnection / maintenance /repair of 1", 2", 4", 6". 8" pipes, fittings, valves, fans, ventilation ducts and cables, (signalling /lighting /power), switch gears, joint boxes, lighting transformers /lights and light fittings and hauling up of excavated muck from underground to the waste rock disposal site at surface within a radius of <b>500 m</b> from the Decline mouth as per the direction of the Engineer-in-charge.</p>	300	RM				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
4	<p><b><u>Excavation of Manholes in Decline /Drifts /X-Cuts /Ramps</u></b> at Bagjata Mines in hard /soft /weathered rock formations including all materials (<b><u>except</u></b> explosive, detonators, rock bolts, crib sets, chock mates, chain link, pipes, hoses, fittings, clamps, ventilation ducts, power and other cables, light fittings, bulbs, tube lights), all equipment (<b><u>except</u></b> Drilling Jumbo, Diesel LHD, Mine Trucks, electric pumps, pneumatic face pumps, ventilation fans, switch gears, circuit breakers, Gate end Boxes, Lighting transformers, cap lamps, charging rakes, and spares, consumables, fuel and lubricants for these equipment), all labour, plant, tools, tackles, all activities whatsoever like face preparation, drilling, blasting, ventilation, supporting, platform making, ladder fixing, mucking, dewatering, house keeping, transportation of all materials from surface to underground and vice versa and all incidental miscellaneous works like fitting /laying /installation / charging /connection /disconnection / maintenance /repair of 1", 2", 4", 6". 8" pipes, fittings, valves, fans, ventilation ducts and cables, (signalling /lighting /power), switch gears, joint boxes, lighting transformers /lights and light fittings and hauling up of excavated muck from underground to the waste rock disposal site at surface within a radius of <b>500 m</b> from the Decline mouth as per the direction of the Engineer-in-charge.</p>	800	Cum				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
5	<p><b>Stripping</b> in hard /soft /weathered rock formations in roof, floor, sides at any working level including all materials (<b>except</b> explosive, detonators, rock bolts, crib sets, chock mates, chain link, pipes, hoses, fittings, clamps, ventilation ducts, power and other cables, light fittings, bulbs, tube lights), all equipment (<b>except</b> Drilling Jumbo, Diesel LHD, Mine Trucks, electric pumps, pneumatic face pumps, ventilation fans, switch gears, circuit breakers, Gate end Boxes, Lighting transformers, cap lamps, charging rakes, and spares, consumables, fuel and lubricants for these equipment), all labour, plant, tools, tackles, all activities whatsoever like face preparation, drilling, blasting, ventilation, supporting, platform making, ladder fixing, mucking, dewatering, house keeping, transportation of all materials from surface to underground and vice versa and all incidental miscellaneous works like fitting /laying /installation / charging /connection /disconnection / maintenance /repair of 1", 2", 4", 6". 8" pipes, fittings, valves, fans, ventilation ducts and cables, (signalling /lighting /power), switch gears, joint boxes, lighting transformers /lights and light fittings and hauling up of excavated muck from underground to the waste rock disposal site at surface within a radius of <b>500 m</b> from the Decline mouth as per the direction of the Engineer-in-charge.</p>	2000	Cum				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
6	<b><u>Fabrication of Steel Arches and Erection in Decline</u></b> for embedding them in RCC as per drawing (Drg No-1) at specified intervals (excluding cost of excavation, RCC work, structural & reinforcement steel) including fabrication, transportation, erection, tacking of reinforcement steel rods to the steel arches at all places and complete in all respects, including all material, labour, tools, tackles, plant, equipment, accessories as required and directed by the Engineer-in-charge.	1	MT				
Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
7	<b><u>Fabrication, Erection and Commissioning of Steel Chutes</u></b> at different locations in underground for embedding them in RCC or otherwise as per drawing (excluding cost of excavation, RCC work, structural & reinforcement steel, chute cylinders, 3-way valves, hoses, hose fittings) including fabrication, transportation, erection, tacking of reinforcement steel rods to the steel structures at all places and complete in all respects, including all material, labour, tools, tackles, plant, equipment, accessories as required and directed by the Engineer-in-charge.	1	MT				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
8	<b><u>Fabrication, Erection and Commissioning of plate inserts, pipe inserts, fencings, guards and other miscellaneous items</u></b> at different locations in underground for embedding them in RCC or otherwise as per drawing (excluding cost of excavation, RCC work and steel) including fabrication, transportation, erection, tacking of reinforcement steel rods to the steel plates, pipes etc. at all places and complete in all respects, including all labour, tools, tackles, plant, equipment, accessories as required and directed by the Engineer-in-charge. (Chute cylinders will be provided by UCIL)	1	MT				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
9	Providing and laying <b><u>reinforced cement concrete (RCC)</u></b> work 1:1.5:3 (1 Cement: 1.5 coarse sand : 3 graded stone aggregate using, 20mm and 12.5 mm down screened and washed) and placing it in underground wall, roof, floor etc. in skin to skin contact with rock including any loading and transportation from surface to underground, rod binding /tacking, machine mixing, placing and mechanically vibrating, including cost of platform making, shuttering, and reinforcement etc. (excluding the cost of aggregates, sand, cement and deformed bars for reinforcement) complete in all respects as per specification and direction (thickness and shape as per drawing) at any level and placing it anywhere by Concrete Placer especially for roof lining at any level in underground.	100	Cu M				

10	Providing and laying <b>plain cement concrete (PCC)</b> work 1:1.5:3 (1 Cement: 1.5 coarse sand : 3 graded stone aggregate using, 20mm and 12.5 mm down screened and washed) it in underground wall, roof, floor etc. in skin to skin contact with rock including any loading and transportation from surface to underground, machine mixing, placing and mechanically vibrating, including cost of platform making, shuttering etc. (excluding the cost of aggregates, sand, cement and deformed bars for reinforcement) complete in all respects as per specification and direction (thickness and shape as per drawing) at any level and placing it anywhere by Concrete Placer especially for roof lining.	100	Cu M				
Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
11	<b>Brick work in Cement Mortar</b> 1:4 (1Cement: 4 coarse sand) in underground including cost of all materials, curing, labour & incidental charges, loading and transportation from surface to underground etc. but excluding cost of cement, sand and brick as per direction of Engineer-in-charge.	50	Cu M				
12	<b>Installation of rock bolts</b> of 20mm dia grouting 2.0 Mtr. in length including cost of drilling of hole, carriage of rock bolt, making platforms, grouting, labour, plant, tools and tackles etc. (excluding cost of rock bolts, cement and sand) complete as per directions of engineer-in-charge.	4000	No				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
13	<b>Installation of rock bolts</b> of 20mm dia grouting 3.0 Mtr. in length including cost of drilling of hole, carriage of rock bolt, making platforms, grouting, labour, plant, tools and tackles etc. (excluding cost of rock bolts, cement and sand) complete as per directions of engineer-in-charge.	500	No				
14	<b>Fixing of wire mesh /chain link</b> including cost of carriage of wire mesh/chain link fencing, labour, tools and tackles etc. but excluding cost of wire mesh/ chain link fencing complete as per directions of Engineer-in-charge	100	Sq. M				
15	<b>White washing</b> of roof, floor and sides, after water spraying to remove the dust particles settled on the rock surface, with aqueous solution of lime, blue and fevicol with the help of compressed air using spraying nozzle including cost of all material, labour, tools and tackles and carriage from surface to underground and vice versa, but excluding cost of lime, blue and fevicol, complete as per directions of Engineer-in-charge	8000	Sq. M				
16	<b>Painting</b> of metallic, rock or plaster surfaces after preparing the surface by removing dust, junk etc, applying the primer, including cost of all material, labour, tools and tackles and carriage from surface to underground and vice versa, but excluding cost of paint and emulsion, complete as per directions of Engineer-in-charge	2000	Sq. M				

Sl. No	Description of Item	Quantity	Unit	Rate		Amount	
				Rs.	P.	Rs.	P.
17	<b>Writing</b> 3" to 6" size letters over metallic, rock or plaster surfaces after preparing the surface by removing dust, junk etc, applying the primer, including cost of all material, labour, tools and tackles and carriage from surface to underground and vice versa, but excluding cost of paint and emulsion, complete as per directions of Engineer-in-charge	<b>1000</b>	Nos				
Grand Total =							
( Rupees -----only )							

Total (in words):

Overall rebate, if any: \_\_\_\_\_(in figures) \_\_\_\_\_(in words)Note :

1. All the rates quoted against items shall be written in figures and words without which tenders are liable to be rejected. If any discrepancy is observed then rate in words will be taken in to account.
2. Overall rebate, if any, should be mentioned in above column only and written elsewhere shall not be considered.
3. The tenderer must duly sign all the pages of tender document along with the seal of his agency.
4. The description of the items given in the Price schedule is only a brief description of the work and in case of any ambiguity, contradiction, omission, doubt, one has to refer to the general and special conditions of the tender.
5. Validity of offer should be for a minimum period of six months from the date of received of price bid and base date of labour rate will be the date of opening of the price bid.
6. The price offer should include all the prevailing taxes including Work Contract Tax, Service Tax etc.