

HINDUSTAN COPPER LIMITED
(A Government of India Enterprise)
Tamra Bhawan, 1, Ashutosh Chowdhury Avenue
KOLKATA – 700019

CORRIGENDUM – III

Dated 16.01.19

Subject: Mine Development, Production Drilling and Ore Production from MCP underground mine, MP
Ref: NIT no HCL/M&C/MCP/UG/2018/01 Dated 29.10.2018

The following Clauses of the NIT are revised as under :

Sl	Relevant clause	As per NIT	Revised clause
1	Page-57, Clause 3.2.6	<p>... The Performance Security Deposit shall remain valid initially for a period of 24 months from the Appointed date and will be renewed subsequently as per Article 6 of NIT. The selected bidder shall further extend the validity of its Performance Security Deposit, if so required by HCL....</p> <p>In addition to the above, the Retention money shall be 5% (Five percent) of the Contract amount, i.e. remaining 5% of the Security Deposit and to be recovered at the rate of 6% (six percent) from Running Bills , more so detailed under clause 6.1 of NIT at page no 80</p>	<p>.... The Performance Security Deposit shall remain valid initially for a period of 12 months from the Appointed date and will be renewed subsequently as per Article 6 of NIT. The selected bidder shall further extend the validity of its Performance Security Deposit, if so required by HCL....</p> <p>In addition to the above, the Retention money shall be 5% (Five percent) of the Contract amount, i.e. remaining 5% of the Security Deposit and to be recovered at the rate of 5% (five percent) from Running Bills , more so detailed under clause 6.1 of NIT at page no 80 ...</p>
2	Page 121, Clause vi	vi. The BG should have a clause that "BG shall be operable including encashment at issuing bank"s any local branch in Kolkata.	The clause stands deleted.
3	Page-164, Clause 1	<p>1. Explosives and detonators: Explosive and detonator shall be issued at magazine of the mine. The consumption of explosive shall be approximately 3.57 kg per cum of excavation for horizontal development, and 10.0 Kg per cum of excavation for Vertical development, 0.85 m³ of broken ore/ kg of explosive basis for stope blasting and approximately 2.96 m³ of broken ore/ kg of explosive in case of secondary (Boulder) blasting in ore production. Detonator will be issued as per the blasting requirement. The drill pattern used is parallel hole cylinder cut. The above norm is indicative only. It will be the responsibility of Successful Bidder to transport the explosive from the magazine to site and return unused explosive to the magazine. Reserve</p>	<p>1. Explosives and detonators: Explosive and detonator shall be issued at magazine of the mine. It will be the responsibility of Successful Bidder to transport the explosive from the magazine to site and return unused explosive to the magazine. Reserve station facility at each main level shall be prepared and maintained by the Successful Bidder. In case of Bulk explosive, HCL is in process of setting up plant for Bulk explosive within the premises of MCP. Bulk Explosive carrier will be provided by HCL. After setting up the plant for Bulk explosive, the successful bidder has to use bulk explosive for production purpose. Explosives and detonators required for blasting will be made available by HCL on chargeable basis which will be on actual cost price plus (5%) as an administrative charge. Recovery towards cost of explosives and detonators will be made from RA bills. The contractor will submit annual requirement of the Explosive and detonators to the Engineer in charge of</p>



Sl	Relevant clause	As per NIT	Revised clause								
		<p>station facility at each main level shall be prepared and maintained by the Successful Bidder.</p> <p>A tripartite team will be constituted incorporating HCL's, Successful Bidder's and explosive supplier's representatives. The team shall jointly make trials to achieve the target in case of new explosive or the explosives where performance is not established. The committee will jointly observe the average consumption of explosive and should achieve 90 % advance of the depth drilled for at-least 8 to 10 rounds during trial and submit their recommendations. Till the recommendations of the committee for the explosive norm is finalized, Successful Bidder shall undertake the work with the present norms.</p> <p>Explosive and detonators required for blasting will be made available by HCL on chargeable basis which will be on actual cost price plus (5%) as an administrative charge. Recovery towards cost of explosives and detonators will be made from RA bills.</p> <p>The contractor will submit annual requirement of the Explosive and detonators to the engineering in charge of HCL of the beginning of the year for procurement.</p>	HCL of the beginning of the year for procurement.								
4	Page-164, Clause 7	Housing: Four B type accommodations shall be made available and shall be levied monthly rent at per with that paid by HCL employees. As and when HCL returned at the end of the contract period.	<p>Housing: A type, B type & Barrack accommodations shall be made available and shall be levied monthly rent as mentioned below. As and when HCL returned at the end of the contract period.</p> <p>The following residential accommodation in the HCL Colony can be given to the Contractor on chargeable basis, subject to availability. The Monthly Rent applicable at present shall be as follows</p> <table border="1"> <thead> <tr> <th>Type of accommodation</th> <th>Monthly rent (Rs)</th> </tr> </thead> <tbody> <tr> <td>Type B (600 Sq. Ft.)</td> <td>2,000</td> </tr> <tr> <td>Type A (400 Sq. Ft.)</td> <td>1,000</td> </tr> <tr> <td>Barracks (495 Sq. Ft.)</td> <td>500</td> </tr> </tbody> </table> <p>Housing facility will be provided to the successful bidder based on availability and as is where is basis.</p>	Type of accommodation	Monthly rent (Rs)	Type B (600 Sq. Ft.)	2,000	Type A (400 Sq. Ft.)	1,000	Barracks (495 Sq. Ft.)	500
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5	Page-30, Clause	<u>Allied Excavation</u> : As and when required underground excavations for various	Allied Excavation: As and when required underground excavations for various purposes shall be								



Sl	Relevant clause	As per NIT	Revised clause
	1.3.8.1.7 & Clause 1.3.8.1.8	<p>purposes shall be done by the Successful Bidder free of cost.</p> <p><u>Allied Jobs:</u> The allied jobs associated with Mine development, Drilling & Ore production are within the scope work of the Successful Bidder as per the requirement in ore production.</p>	<p>done by the Successful Bidder free of cost.</p> <p><u>Allied Jobs:</u> The allied jobs associated with Mine development, Drilling & Ore production are within the scope work of the Successful Bidder as per the requirement in ore production.</p> <p>Payment for allied excavation and allied jobs as an additional cost as per open item rates will be done if only prior approval is obtained from Engineer-in-Charge of HCL.</p>
6	Page-16, Clause 1.3.8.1 (7)	Compressed air line is not proposed in the mine due to its length and breath, since pressure drop will be excessive and excessive pipe line reticulation. Water line has to be arranged by the successful bidder for drilling and dust suppression.	Compressed air line is not proposed in the mine due to its length and breath, since pressure drop will be excessive and excessive pipe line reticulation. Water line has to be arranged by the successful bidder temporarily for drilling and dust suppression.
7	Page-32, Clause 1.3.8.1.9 (7)	....The successful bidder also has to install two main Mechanical ventilators that will be procured by the present contractor (under his scope of work) axial flow horizontal type, direct coupled of 175 m ³ /sec, pressure range 300-1800PA (31-184mmwg) control panel water gauge and other requirements as required under the statute....	....The successful bidder also has to procure and install two numbers of ventilation fans having the Specification as Single stage axial flow fan. RPM-800, Dia- 2m, No. of blades per stage-12, Capacity 4000-5000 m ³ /min., Pressure 200-170mm W.G., Motor hp 2X 172, RPM of Motor 1440, Belt drive with 8 belts, control panel water gauge and other requirements as required under the statute....
8	Page-38, Clause 1.5.3.2.2	The bidder should have achieved minimum 510,000 Mt of rock handling in any year in hard rock metal mining during last seven years ending on 31.03.2018 from a single work.	The bidder should have achieved minimum 510,000 Mt of rock handling in any consecutive 12 months period in hard rock underground metal mining during last seven years ending on 31.03.2018 from a single work.
9	Page-138, Clause 8.1 (f)	...The liquidated damage will be maximum of 10% of the total awarded value (excluding Service Tax)...	...The liquidated damage will be maximum of 10% of the total awarded value (excluding GST).
10	Page-19, Section -1 1.3.8.1 (9.4)	9.4 To mine the south side, ventilation has to be established by excavating a drop raise 3mx3m from surface bench at 434 mRL from the hang wall side bench at section S for a height of 80 m holing at 346 mRL in the hang wall drive close to the hang wall stope. An exhaust fan to be fixed at the mouth of the raise at surface in a temporary fan house.. The capacity of the fan could be the same as used in North extension block. This fan will be in use till mining continues at 312mRL.	9.4 To mine the south side, ventilation has to be established by excavating a drop raise 3mx3m from surface bench at 434 mRL from the hang wall / footwall side bench at section S5 for a height of 80 m holing at 346 mRL in the hang wall / footwall drive close to the hang wall stope as per instruction of Engineer-in-Charge. An exhaust fan to be fixed at the mouth of the raise at surface in a temporary fan house. The capacity of the fan could be the same as used in North extension block. This fan will be in use till mining continues at 312mRL.
11	Page-31, Clause 1.3.8.1.9 (3)	...like LHD, LPDT and Rock Breaker should be from Original Equipment Manufacturer (OEM) who should have Service Centre in India before 2015-16..	<p>... like LHD, LPDT and Rock Breaker should be from Original Equipment Manufacturer (OEM) / their Authorized Dealer as per Clause 1.5.3.2.3 ...</p> <p>The bidder should give an undertaking on non-judicial stamp paper of denomination Rs 50/- duly notarized stating that original manufacturers (OEM) / Authorized Dealers of the proposed equipment for deployment as</p>

Sl	Relevant clause	As per NIT	Revised clause
			per NIT will set up Sales Maintenance Service Support facilities in India on their own or through OEM for the equipment proposed to be deployed within 6 months of date of issue of Letter of Intent (LoI), like Depot / warehouse for supply of spare parts, Workshop facilities for servicing and repair of assemblies, subassemblies.
12	Page- 11 Point No 1.3	Trough is developed by drilling of 57mm diameter, 15-20 m long up holes in fan shape from the	Trough is developed by drilling of 57mm diameter, 15-20 m long up holes in fan shape, payment for which will be included in per tonne of stoping and no separate payment will be made on account of drilling of 57mm diameter, from the...
13	Page -11, Point no 1.3,	The diameter of holes as 89 mm drilled in a fan shaped from horizontal to vertical. Depth of holes...	The diameter of holes as 89-127 mm drilled in a fan shaped from horizontal to vertical. Depth of holes...
14	Page no – 21 , Point No 1.3.8.1.2	... The diameter of blast holes for stoping would be 89 mm and depth ...	... The diameter of blast holes for stoping would be 89- 127 mm and depth...
15	Page 21, Point No 1.3.8.1.2	...At the end of the shift total drilling details with deviation if any against the drill plan fed to the computer of the drilling machine should be known through a print out so that correction if any can be undertaken Re drilling of holes to be done in case of deviation found in the drilled plan which will be to the cost of the successful bidder. A print out of total drilling done in a shift is required..	...At the end of the shift the deviation in the drilling plan shall be submitted to EIC so that correction, if any, can be undertaken. Re drilling of holes to be done in case of deviation found in the drilled plan which will be to the cost of the successful bidder. A print out of total drilling done in a shift is required...
16	Page 21, Point No 1.3.8.1.3	....same lode at 400mRL. Burden as per drilling machine literature is kept at 3.0 m maximum and tow spacing to be more than burden is kept at 3.5 m. However these parameters has to be optimized in consultation with Engineer in Charge after seeing the actual rock fragmentation. The height of the level ...	....same lode at 400mRL. Drilling is included in Ore production from stopes. Hence its cost will be included in ore production. No separate BoQ item will be for this activity The height of the level
17	Page 22, Point No 1.3.8.1.3	....rig control system (RCS). Trough holes are required to be drilled from the trough drive in a fan shaped with 51/57 mm dia holes for a maximum depth of 20 m with a burden and spacing of 1.5 m & 3.0 m respectively. For boulder blasting....	.... rig control system (RCS). Payment for production drilling (89-127 mm diameter and 51-57 mm diameter holes) will not be made separately and will be included in Ore Production cost. The rate of work for any item which is not specifically mentioned in Bill of Quantity (BoQ) or in Open item list, will be decided based on mutually between the successful bidder and HCL and will be paid to the successful bidder accordingly. For boulder blasting.....
18	Page 23,	To produce 75,000 MT of ore per month	To produce 75,000 MT of ore per month per set (1 set

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	Point No 1.3.8.1.4, Production Blasting	from a transverse stope of 28 m width, blasting of the stope holes will be planned once a week on weekends using ANFO as the explosive when holes are dry. Cartridge explosive	= 1 LHD and 3 nos 50 -65 tonne LPDT), in underground, blasting must be done at the end of the shift in all three shifts and all seven days using ANFO as the explosive when holes are dry with a restriction that at the time of production blasting no person should remain underground. Cartridge explosive																								
19	Page 28 , Point No 12	<p>Strata Control/ Instrumentation: HCL will ask IIT, KGP to monitor to finalize the stoping parameters, since IIT, KGP was involved in the entire rock mechanics and stoping parameters. Later on it will be the responsibility of the successful bidder to continue. The results of the readings of rock mechanics study conducted must be shared with HCL/ Engineer-in-Charge.</p> <p>The entire job of agency selection and study, drilling of holes/ site preparation for instrumentation, procurement & installation of instruments, data collection and sending to the agency and obtaining reports & their interpretation shall be under the Successful Bidder's responsibility. Cable bolting is required</p>	<p>Strata Control/ Instrumentation: HCL will ask IIT, KGP/ NIRM / ISM / CIMFR to monitor & finalize the stoping parameters. Later on it will be the responsibility of the successful bidder to choose any reputed agency like IIT, KGP/ NIRM / ISM / CIMFR. The results of the readings of rock mechanics study conducted must be shared with HCL/ Engineer-in-Charge.</p> <p>The entire job of agency selection, study, drilling of holes/ site preparation for instrumentation (approximately for a transverse stope 4 nos stress cells, 12 nos Multipoint Bore hole extensometer, 20 nos Convergence pins & 35 nos hooks for Tape Extensometer and for any longitudinal stope 2 nos stress cells, 10 nos Multipoint Bore hole extensometer, 8 nos Convergence pins & 15 nos hooks for Tape Extensometer), procurement & installation of instruments, data collection under the supervision of Engineer – in Charge of HCL or its representatives and sending to the agency after approval from the Engineer-in-Charge of HCL and obtaining reports shall be under the Successful Bidder's responsibility. However, Rock mechanics monitoring for stoping will be the responsibility of HCL..</p> <p>Cable bolting is required</p>																								
20	Page 33, Point No 1.3.8.1.10 Schedule of Quantities	<table border="1"> <thead> <tr> <th>S</th> <th>Activity</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Production Drilling (89 mm diameter) in North Extension and North Mine below open pit</td> <td>Metre</td> <td>3,88,500</td> </tr> <tr> <td>5</td> <td>Production Drilling (89 mm diameter) in South Extension and South Mine below open pit</td> <td>Metre</td> <td>3,17,790</td> </tr> </tbody> </table>	S	Activity	Unit	Quantity	4	Production Drilling (89 mm diameter) in North Extension and North Mine below open pit	Metre	3,88,500	5	Production Drilling (89 mm diameter) in South Extension and South Mine below open pit	Metre	3,17,790	<table border="1"> <thead> <tr> <th>S</th> <th>Activity</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Production Drilling (89 mm diameter) in North Extension and North Mine below open pit</td> <td>Metre</td> <td>3,88,500</td> </tr> <tr> <td>5</td> <td>Production Drilling (89 mm diameter) in South Extension and South Mine below open pit</td> <td>Metre</td> <td>3,17,790</td> </tr> </tbody> </table> <p>Cost of Drilling is included in ore production</p>	S	Activity	Unit	Quantity	4	Production Drilling (89 mm diameter) in North Extension and North Mine below open pit	Metre	3,88,500	5	Production Drilling (89 mm diameter) in South Extension and South Mine below open pit	Metre	3,17,790
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21	Page 165, Point No -4	Electric Power: HCL shall provide	Electric Power: HCL shall provide only 11 KV power source to the Successful Bidder at Main Receiving																								

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		<p>power connection to the Successful Bidder for usage on surface at main receiving station at 11 Kv as well as underground on the following manner-</p> <p>a) The successful bidder will construct main sub-station at surface. Subsequent of distribution of power for underground and other sub-station will be from themain sub-station. The underground sub-station will have at 3.3Kv, 50 Hz ±5%.</p> <p>b) Power.....</p>	<p>Substation for Surface as well as underground on following manner-</p> <p>a) The successful bidder will construct main sub-station at surface. Subsequent of distribution of power for underground and other sub-station will be from the main sub-station. The underground sub-station should be constructed preferably at voltage level of at 3.3KV/440 V, 50 Hz ±5% as per their requirement. In case, the bidder use equipments higher than voltage level of 3.3 KV they have to fulfill statutory standards accordingly and get approval from DGMS.</p> <p>b) Power.....</p>
22	Page 43, Point No – 1.13/5 ,	Last date of bid submission – 17/01/2019, 2.30 pm	Last date of bid submission – 22/01/2019, 3.00 pm
23	Page 28, Clause 6	If any stripping or chipping etc. is required in case the equipment is fouling in spite of providing the standard size of excavation for running the LHD/LPDT, the same should be done by the Successful Bidder by themselves. HCL will only provide the explosive. However before undertaking such jobs, it should have the concurrence of Mines Manager being a statutorily responsible person.	If any stripping or chipping etc. is required in case the equipment is fouling in spite of providing the standard size of excavation for running the LHD/LPDT, the same should be done by the Successful Bidder by themselves at additional cost as per open item rates. HCL will only provide the explosive. However before undertaking such jobs, it should have the concurrence of Mines Manager being a statutorily responsible person.
24	Page 101, Article 1	“Commencement Date” shall mean the date falling on the expiry of the mobilization period of 4 months (120 days) from the date of issue of Lol.	“Commencement Date” shall mean the date within the mobilization period of 4 months (120 days) from the date of issue of Lol.
25	Page 120, Clause 6.1	<p>.... c) The Bank Guarantee (BG) shall be valid initially for a period of 2 (two) years and be renewed for same period on or before at least 30 (thirty) days prior to the date of expiry of 2 (two) years and the same procedure to be continued ...</p> <p>j) The Retention money shall be 5% (Five percent) of the Contract amount, i.e. remaining 5% of the Security Deposit and to be recovered at the rate of 6% (six percent) from Running Bills subject to The Bank Guarantee shall be valid for a period of 2 (two) years and be renewed for same period on or before at least 30 (thirty) days prior to the date of expiry of 2 (two) years and the same procedure to be ...</p>	<p>....c) The Bank Guarantee (BG) shall be valid initially for a period of 1 (One) year and be renewed for same period on or before at least 30 (thirty) days prior to the date of expiry of 1 (One) year and the same procedure to be continued ...</p> <p>j) The Retention money shall be 5% (Five percent) of the Contract amount, i.e. remaining 5% of the Security Deposit and to be recovered at the rate of 5% (five percent) from Running Bills subject to The Bank Guarantee shall be valid for a period of 1 (One) year and be renewed for same period on or before at least 30 (thirty) days prior to the date of expiry of 1 (One) years and the same procedure to be</p>
26	Page 137, Clause 8.1 (b) sub clause (e)	Variation in Schedule Items The Itemized quantities indicated in Schedule V are indicative and at this stage it is envisaged that variation may be within plus 5% of the Contract and the	Variation in Schedule Items The Itemized quantities indicated in Schedule V are indicative and the duration of the contract may be extended based on the variation on pro rata basis target during the period of the contract.

Sl	Relevant clause	As per NIT	Revised clause																
		duration of the contract may be extended based on the variation on pro rata basis target during the period of the contract.	“ Based on the satisfactory performance by the successful bidder, the contract maybe extended by 2 years for additional 50% of contract quantity at the sole discretion of HCL”																
27	Page 167, Schedule VI	iii) Fuel and Power Escalation = Awarded Rate in Rs per Unit * (F2-F1) *0.10 / F1	iii) Fuel and Power Escalation = Awarded Rate in Rs per Unit * (F2-F1) *0.20 / F1																
28	Page 141, Clause 9.2	If at any time after acceptance of the TENDER, HCL shall decide to foreclose or reduce the scope of the Works and hence not require the whole or any part of the Work to be carried out, the Engineer-in-Charge shall give 10 days notice in writing to that effect to the Contractor, provided that:...	If at any time after acceptance of the TENDER, HCL shall decide to foreclose or reduce the scope of the Works and hence not require the whole or any part of the Work to be carried out, the Engineer-in-Charge shall give 3 months notice in writing to that effect to the Contractor, provided that:																
29	Page 31, clause 1.3.8.1.9 The Year of manufacture of equipment proposed like Drill Jumbo, Production drilling equipment (89 mm diameter), LHD, LPDT, Excavator and Dumper to be deployed for this work should not be more than 12 months from the date of supply at the site and shall be in unused condition. The possession/ arrangement The Year of manufacture of equipment proposed like Drill Jumbo, Production drilling equipment (89 - 127mm diameter), LHD, LPDT, Excavator and Dumper to be deployed for this work should not be more than 12 months from the date of supply at the site. The possession/ arrangement.....																
30	Page 21, Clause 1.3.8.1.1	Diamond Drilling - Definition Drilling. 40,000 m of definition drilling is provided in the present on going contract of M/s IVRCL. The definition drilling will be done by M/s IVRCL as per the requirement of mine development . Priorities will be set by the Engineer In Charge in consultation with the successful bidder. Approximately 4300 m of definition drilling will be required to be done for the successful bidder. (This is an information for the successful bidder)	Diamond Drilling - Definition Drilling. 40,000 m of definition drilling is provided in the present on going contract of M/s IVRCL. The definition drilling will be done by M/s IVRCL as per the requirement of mine development . Priorities will be set by the Engineer In Charge in consultation with the successful bidder.																
31	Page 98, Appendix X	<table border="1"> <thead> <tr> <th>S l</th> <th>Description</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Production Drilling (89 mm diameter) in North Extension and North Mine below open pit, South Extension and South Mine below open pit</td> <td>Metre</td> <td>7,06,290</td> </tr> </tbody> </table>	S l	Description	Unit	Quantity	4	Production Drilling (89 mm diameter) in North Extension and North Mine below open pit, South Extension and South Mine below open pit	Metre	7,06,290	<table border="1"> <thead> <tr> <th>S l</th> <th>Description</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Production Drilling (89 mm diameter) in North Extension and North Mine below open pit, South Extension and South Mine below open pit</td> <td>Metre</td> <td>7,06,290</td> </tr> </tbody> </table>	S l	Description	Unit	Quantity	4	Production Drilling (89 mm diameter) in North Extension and North Mine below open pit, South Extension and South Mine below open pit	Metre	7,06,290
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32	Page 37, Clause		(iii) Corporate Debt Restructuring (CDR): The bidders who have applied for / availed Corporate																

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	1.5.3, 1 (iii)		Debt Restructuring (CDR) in the last two (2) financial years ending 31.03.2018 are not eligible to participate in the bid. In regards to the above clause, a certificate from Statutory Auditor by the Bidder shall be enclosed.																																																																								
33	Page 33, Clause 9		Clause 9 to be modified by adding the following: Equipment to be deployed by the successful bidder should also be compliant with the DGMS circular no DGMS (S&T)/(Tech) Circular no 1 dt 13.08.18, strictly.																																																																								
34	Page 11, Bullet Point no 2	The diameter of holes as 89 mm drilled in a fan shaped.....	The diameter of holes as 89 -127 mm drilled in a fan shaped.....																																																																								
35	Page 16, Point no 7	Raises for slot raise can be excavated with 89 mm dia holes.....	Raises for slot raise can be excavated with 89- 127 mm dia holes.....																																																																								
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37	Page 22, 2 nd Para and 4 th ParaSince the present Top Hammer Computerized drilling machines available with leading manufacturers with 89 mm dia holes can drill upto 54 m..... The maximum length of the hole would be 54 m and diameter of the hole 89 mm.Since the present Top Hammer Computerized drilling machines available with leading manufacturers with 89 – 127 mm dia holes can drill upto 54 m..... The maximum length of the hole would be 54 m and diameter of the hole 89 - 127 mm.																																																																								
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39	Page 34, Point no 3	<table border="1"> <thead> <tr> <th>Sl</th> <th>Working</th> <th>I Yr</th> <th>II Yr</th> <th>III Yr</th> <th>IV Yr</th> <th>V Yr</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>...</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>Production Drilling (89 mm diameter) in North Extension and North Mine below open pit in m</td> <td>44100</td> <td>82140</td> <td>85860</td> <td>88200</td> <td>88200</td> <td>385200</td> </tr> <tr> <td>5</td> <td>Production Drilling (89 mm diameter) in South Extension and South Mine below open pit in m</td> <td>0</td> <td>58800</td> <td>82590</td> <td>88200</td> <td>88200</td> <td>317790</td> </tr> <tr> <td>6</td> <td>Total Production</td> <td>44100</td> <td>140940</td> <td>168450</td> <td>176400</td> <td>176400</td> <td>706290</td> </tr> </tbody> </table>	Sl	Working	I Yr	II Yr	III Yr	IV Yr	V Yr	Total	3	...							4	Production Drilling (89 mm diameter) in North Extension and North Mine below open pit in m	44100	82140	85860	88200	88200	385200	5	Production Drilling (89 mm diameter) in South Extension and South Mine below open pit in m	0	58800	82590	88200	88200	317790	6	Total Production	44100	140940	168450	176400	176400	706290	<table border="1"> <thead> <tr> <th>S</th> <th>Working</th> <th>I Yr</th> <th>II Yr</th> <th>III Yr</th> <th>IV Yr</th> <th>V Yr</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>...</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>Ore Production excluding dev ore including North & South Extension ore block of MCP in tonne</td> <td>0</td> <td>100000</td> <td>336000</td> <td>477500</td> <td>755000</td> <td>1662500</td> </tr> <tr> <td>8</td> <td>Ore Production excluding development ore in North mine below open pit in tonne</td> <td>260000</td> <td>814000</td> <td>990000</td> <td>1230000</td> <td>1470000</td> <td>4764000</td> </tr> </tbody> </table>	S	Working	I Yr	II Yr	III Yr	IV Yr	V Yr	Total	3	...							7	Ore Production excluding dev ore including North & South Extension ore block of MCP in tonne	0	100000	336000	477500	755000	1662500	8	Ore Production excluding development ore in North mine below open pit in tonne	260000	814000	990000	1230000	1470000	4764000
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41	Page 114, Clause 2.2	... if the performance of the contractor in development=Production Drilling (89 mm diameter) and Ore Production...	... if the performance of the contractor in development and Ore Production...																																																								
42	Page 138, Clause a)If the Successful Bidder is not able to achieve at least 90% of target of Ore Production, Mine Development, & Production Drilling (89 mm diameter), they shall be liable to pay.....If the Successful Bidder is not able to achieve at least 90% of target of Ore Production, Mine Development they shall be liable to pay.....																																																								
43	Page 138, Clause b) 2 nd Para	For target of Ore Production, Mine Development, & Production Drilling (89 mm diameter) each, shortfall will be calculated on the quarterly basis.	For target of Ore Production, Mine Development, each, shortfall will be calculated on the quarterly basis.																																																								
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45	Page 34, Clause 1.3.8.1.11.1		<p>New Clause for Open item added: 1.3.8.1.11.1 Open Item: Certain activities under Open Items mentioned below are likely to be executed by the successful bidder as per approval of Engineer-in-Charge of HCL beyond standard SSR as and when required, at the indicated rate during the tenure of the Contract Period:</p> <table border="1"> <thead> <tr> <th>S</th> <th>Description</th> <th>Unit</th> <th colspan="2">Rate (Rs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Steel support in drives/cross cuts and any other excavation including supply, fabrication, transportation and erection</td> <td>t</td> <td colspan="2">175404</td> </tr> <tr> <td>2</td> <td>Installation of Rock Bolt in underground including drilling, grouting with cement with bearing plate of 6 mm thickness, 150mm x 150mm, 6" threaded nut of</td> <td>nos</td> <td colspan="2"></td> </tr> <tr> <td></td> <td>1.5 m length</td> <td></td> <td colspan="2">879</td> </tr> <tr> <td></td> <td>1.8 m length</td> <td></td> <td colspan="2">1045</td> </tr> <tr> <td></td> <td>2.4 m length</td> <td></td> <td colspan="2">1293</td> </tr> <tr> <td>3</td> <td>Procurement and installation of interwoven wire-mesh/ chain link of 50 mm x 3 mm wire thickness in shotcrete or rock bolts excluding cost of shotcrete and rock bolts.</td> <td>m²</td> <td colspan="2">3017</td> </tr> <tr> <td>4</td> <td>Fibre reinforced Shotcrete 100 mm thickness (underground) including all material</td> <td>m²</td> <td colspan="2">1723</td> </tr> <tr> <td>5</td> <td>Fibre reinforced Shotcrete 50 mm thickness (underground) including all material</td> <td>m²</td> <td colspan="2">1243</td> </tr> <tr> <td>6</td> <td>RCC: Providing, transmitting, placing of RCC of M-25 nominal with 1:1.5:3 ratio (1 cement : 1.5 coarse sand : 3 graded stone aggregate using, 20 mm and 12.5 mm down screened and washed) including providing, fixing, and removal of steel shuttering plates, staging, centering, cutting, bending, binding, fixing, welding including carriage of steel reinforcement, vibrating of concrete as directed inclusive of all labour, material incidental charges including cost of reinforcement steel etc</td> <td>m³</td> <td colspan="2">23487</td> </tr> </tbody> </table>			S	Description	Unit	Rate (Rs)		1	Steel support in drives/cross cuts and any other excavation including supply, fabrication, transportation and erection	t	175404		2	Installation of Rock Bolt in underground including drilling, grouting with cement with bearing plate of 6 mm thickness, 150mm x 150mm, 6" threaded nut of	nos				1.5 m length		879			1.8 m length		1045			2.4 m length		1293		3	Procurement and installation of interwoven wire-mesh/ chain link of 50 mm x 3 mm wire thickness in shotcrete or rock bolts excluding cost of shotcrete and rock bolts.	m ²	3017		4	Fibre reinforced Shotcrete 100 mm thickness (underground) including all material	m ²	1723		5	Fibre reinforced Shotcrete 50 mm thickness (underground) including all material	m ²	1243		6	RCC: Providing, transmitting, placing of RCC of M-25 nominal with 1:1.5:3 ratio (1 cement : 1.5 coarse sand : 3 graded stone aggregate using, 20 mm and 12.5 mm down screened and washed) including providing, fixing, and removal of steel shuttering plates, staging, centering, cutting, bending, binding, fixing, welding including carriage of steel reinforcement, vibrating of concrete as directed inclusive of all labour, material incidental charges including cost of reinforcement steel etc	m ³	23487	
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			7	PCC: Providing, transmitting, placing PCC of M-15 grade with 1:2:4 ratio (1 cement : 2 coarse sand : 4 graded stone aggregate using, 20 mm and 12.5 mm down screened and washed) including providing, fixing, and removal of steel shuttering plates, staging, centering vibrating of concrete inclusive of all labour, cement, materials incidental charges etc
			8	Miscellaneous excavation at any location in the mine including drilling, blasting, muck removal and disposal at surface within a distance of 1 km from portal, ventilation, scaling down of loose rock as per approved design
			9	Excavation of drives of 5.5 m wide x 4.0 m high at various levels including drilling, blasting, muck removal and disposal at surface within a distance of 1.5 km radius from portal/shaft top, ventilation, scaling down of loose rocks, RCC M 20 nominal drain of 300 mm x 300 mm (width x depth) for full length of drive, water line (2" GI) with reducer and valve, light fittings, manholes as per MMR 1961 and cement or resin grouted rock bolts of 108mlong, 1.5 m spacing of 20mm torsteel with 150x150x6mm bearing plate and 150 mm threaded tightened with nut in rows as per approved drawing.
			10	Excavation of declines of 5.5 m width x 5 m height of arch shape (height of sides 4m and centre 5m) at 1 in 7 gradient with 300 mm deep, 300mm wide RCC (M 20 nominal) drain, water line (2" GI) with reducer and valve, light fittings at every 6 m interval and manholes as per MMR 1961 including drilling, blasting, muck removal and disposal at surface within a distance of 1.5 km radius from portal, ventilation, scaling down of loose rocks and cement or resin grouted rock bolts of 1.8m long, 1.5 m spacing of 20mm torsteel with 150x150x6 mm



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46	Page 167, 168 Escalation	<p>L₂= Minimum wages of Unskilled labour in non-coal mines (below ground) for schedule employment as per Central Govt., whichever is higher on the first day of the quarter under review.</p> <p>....</p> <p>Revised rate for the quarter under review = Awarded rate + changes due to Labour escalation (i) + changes due to change in All India Wholesale Price Index of all commodities (ii) + changes due to Labour escalation (i) + changes due to change in Fuel and Power escalation (iii).</p>	<p>L₂= Minimum wages of Unskilled labour in non-coal mines (below ground) for schedule employment as per Central Govt., on the first day of the quarter under review.</p> <p>....</p> <p>Revised rate for the quarter under review = Awarded rate + changes due to Labour escalation (i) + changes due to change in All India Wholesale Price Index of all commodities (ii) + changes due to change in Fuel and Power escalation (iii).</p>																																						
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Sl	Relevant clause	As per NIT	Revised clause
		the date of supply at the site and shall be in unused condition. 4....	4....
48	Page 13, Clause 1.3.7	...The size of the stope will be initially 28 m with a rib pillar of 3 m between the stopes along the entire height of the stope. The size may vary depending on the strike length.....	...The size of the stope will be initially 28 20 m with a rib pillar of 3 m between the stopes along the entire height of the stope. The rib pillar of 3 m is optional and will be decided at the time of stoping. Once the parameters are established change in dimension may be considered by Engineer -in Charge. The size may vary depending on the strike length.....
49	Page 10, Clause 1.3 sub clause a)	Lateral development of drives and cross cuts of various dimensions, using Drill jumbos....	Lateral development of drives and cross cuts of various dimensions, using Drill jumbos with multi boom....
50	Page 13, Clause 1.3.8.1	...and shall involve deployment of modern underground equipment, such as Drill Jumbos ...	...and shall involve deployment of modern underground equipment, such as Drill Jumbos with multi boom ...
51	Page 14, Clause 1.3.8.1	.... developing @ 250 m per month.per set. After completion of development in the North extension at 315 mRL, the development would shift to 296 mRL and 240 mRL in the North area. The development at 296 mRL and 240 mRL in North area will be approximately 9825 m, approximately, developing @ 250 m per month.per set. After completion of development at south between 381 mRL to 312 mRL the development would shift to 296 mRL and 240 mRL in South, developing @ 250 m per month per set. The development required at 296 mRL and 240 mRL in South area will be approximately 9082 m(Indicative0029. Minimum two number new Jumbo machines will be required for the development, i.e. one drill Jumbo each in North Extension and South extension. These two machines will be deployed .....	... developing @ 250 m per month.per set. The development at 296 mRL and 240 mRL in North area will be approximately 9825 m, approximately, developing @ 250 m per month per set. The development required at 296 mRL and 240 mRL in South area will be approximately 9082 m (Indicative). Minimum two number new Jumbo machines with multi boom will be required for the development, i.e. one drill Jumbo each in North and South. The priority of development of North Extension, South Extension, North mine and South Mine will be decided by the Engineer-in-Charge of HCL. These two machines will be deployed
52	Page 18, Clause 8.8	8.8 After finishing the development in North Extension, the machine will descend in North side mine below open pit. The development for stoping at 296 mRL is the.....	8.8 The development for stoping at 296 mRL is the.....
53	Page 18, Clause 9.3	9.3 From the decline at 312 mRLthe extraction drives will be driven for all the stopes with footwall drives & cross cuts, trough drives etc, between the section 4 and section 7. After completion of development at 312 mRL, 346 mRL and 381 mRL the development shifts to 296 mRL, leaving	9.3 From the decline at 312 mRLthe extraction drives will be driven for all the stopes with footwall drives & cross cuts, trough drives etc, between the section 4 and section 7. Development at 296 mRL...

Sl	Relevant clause	As per NIT	Revised clause
		a crown pillar of 12 m below 312 mRL. Development at 296 mRL...	
54	Page 21, Clause 1.3.8.1.3	<p>1.3.8.1.3 The Production drilling requirement for production from North and South Extension ore block above 300 mRL is approximately 1,31,250 m and 75,234 m respectively, and drilling from 240 mRL to 296 mRL at North and South is approximately 2,57,250 m and 2,42,550 m respectively. Total drilling requirement is approximately 7,06,284 m.</p> <p>In north extension block, there are parallel lodes from 484mRL to 400mRL. In each lode holes would be drilled from 484 to 460mRL and then from 460mRL to the trough drive of the same lode at 400mRL.</p> <p>Burden as per drilling machine literature is kept at 3.0 m maximum and tow spacing to be more than burden is kept at 3.5 m. However these parameters has to be optimized in consultation with Engineer in Charge after seeing the actual rock fragmentation....</p> <p>The height.....level to level.</p> <p>For stoping from the level.</p> <p>The maximum hole 89 mm.</p> <p>Raise will control system (RCS).</p> <p>Trough holes are required to be drilled from the trough drive in a fan shaped with 51/57 mm dia holes for a maximum depth of 20 m with a burden and spacing of 1.5 m & 3.0 m respectively.</p>	<p>1.3.8.1.3</p> <p>The Burden and spacing parameters has to be optimized in consultation with Engineer in Charge after seeing the actual rock fragmentation....</p> <p>The height.....level to level.</p> <p>For stoping from the level.</p> <p>The maximum hole 89 mm.</p> <p>Raise will control system (RCS).</p> <p>Trough holes are required to be drilled from the trough drive in a fan shaped with 51/57 mm dia holes for a maximum depth of 20 m</p>
55	Page 24, 1 st Para	...Since stoping in North extension block upto 315mRL and the south upto 312 mRL will be experimental stoping to optimize the stoping parameters for future mining below 300 mRL, rock mechanics monitoring will be done as the stoping starts, by IIT Kharagpur who would be hired by HCL to undertake the study.	...Since stoping in North extension block upto 315mRL and the south upto 312 mRL will be experimental stoping to optimize the stoping parameters for future mining below 300 mRL, rock mechanics monitoring will be done as the stoping starts.
56	Page 24, Clause 1	....The combination of one set will be three numbers 50-65 t LPDT with one matching capacity LHD (preferably of bucket capacity 17 t) is required be deployed or production from North Extension and South Extension ore block. However, these two sets will work in North and South mine below open Pit	<p>....The combination of one set will be three numbers 50-65 t LPDT with one matching capacity LHD (preferably of bucket capacity 17 t)</p> <p>i)...</p> <p>ii) In Transverse Mining ore</p>

Sl	Relevant clause	As per NIT	Revised clause
		<p>once the ore production in North Extension and South Extension is finished completely after obtaining approval from Engineer in Charge of HCL. Two additional new sets, i.e. one each in North mine and South Mine will be required for ore production in the 4th and 5th year. ...</p> <p>i)...</p> <p>ii) In Transverse Mining with stope size of 28 m width, ore</p>	
57	Page 25, Clause vii)	<p>Clause will be modified (double strike through will be deleted) as under:</p> <p>vii) Two new sets of equipment, i.e. three 50-65 t LPDT and one matching capacity LHD (preferably of bucket capacity 17 t) each in North and South Mine below open pit for ore production in 4th and 5th Year.</p>	<p>Clause will be modified (double strike through will be deleted) as under:</p> <p>vii) Two new sets of equipment, i.e. three 50-65 t LPDT and one matching capacity LHD (preferably of bucket capacity 17 t) each in North and South Mine below open pit for ore production.</p>
58	Page 26, Clause x)	<p>Weigh Bridge: Two numbers new and reputed Weigh Bridges are to be installed by the successful bidder whose capacity and size (minimum weighing capacity 150 tonne) will depend on the size of the truck to be used to clear the ore from the portals on daily basis by the successful bidder near Primary crusher at Beneficiation Plant. The size of the trucks should be big enough to avoid traffic congestion in the haulage way to allow smooth operation of trucks deployed at open pit for production and at the surface crusher.</p> <p>The empty truck will be weighed only at the beginning of each shift with the same weighing system for empty weight. However, further weighment will be at the sole discretion of the Engineer-in-Charge/ Production Manager/ Shift Supervisor depending upon the situation. It shall be the responsibility of the Successful Bidder to see that ore does not remain stuck to the trucks and regular cleaning of empty truck at appropriate place is practiced. In case of B/D of both the Weigh Bridges, previous 7 days average tonnage per shift per truck shall be considered for empty as well as loaded weight of truck. Tonnage hauled will be calculated by multiplying the no. of trucks dumped in a particular</p>	<p>Weigh Bridge: Two numbers new and reputed Weigh Bridges are to be installed by the successful bidder whose capacity and size (minimum weighing capacity 150 tonne) will depend on the size of the Dumper to be used to clear the ore from the portals on daily basis by the successful bidder near Primary crusher at Beneficiation Plant. The size of the Dumpers should be big enough to avoid traffic congestion in the haulage way and smooth operation of Dumpers deployed at open pit for production and at the surface crusher.</p> <p>Weighbridges will be used for weighing loaded and empty dumpers in every cycle and weighbridges to be interlinked for this purpose. It shall be the responsibility of the Successful Bidder to see that ore does not remain stuck to the Dumpers and regular cleaning of empty Dumpers at appropriate place is practiced. In case of breakdown of both the weigh bridges, the ore produced will be dumped near portal / any other area as specified by Engineer-in-Charge and further re handling of ore to the Primary Crusher will be done without extra cost. In case of breakdown / shutdown of Primary crusher, ore will be dumped in ROS after weighment in weigh bridge. Re-handling of ore from ROS will be the responsibility of HCL.</p> <p>LHDs and LPDTs and Weigh Bridges shall be procured new and year of manufacturing should not be more than 12 months from the date of supply at the site. The Successful Bidder</p>



Sl	Relevant clause	As per NIT	Revised clause												
		<p>shift in such situation.</p> <p>LHDs and LPDTs and Weigh Bridges shall be procured new and year of manufacturing should not be more than 12 months from the date of supply at the site and shall be in unused condition. The Successful Bidder</p>													
59	Page 28, Clause 11	Safety Features in the equipment: The equipment supplied/ used by the Successful Bidder must be provided with the safety features to meet the requirement by DGMS and other statutory bodies. The Successful Bidder shall maintain all standard safety devices / gauges and additional facilities provided by manufacturer during the entire contract period.	Safety Features in the equipment: The equipment supplied/ used by the Successful Bidder must be provided with the safety features to meet the requirement by DGMS and other statutory bodies. Equipment to be deployed by the successful bidder should also be compliant with the DGMS circular no DGMS (S&T)/(Tech) Circular no 1 dt 13.08.18, strictly. The Successful Bidder shall maintain all standard safety devices / gauges and additional facilities provided by manufacturer during the entire contract period.												
60	Page 11, 2 nd last bullet point	... The targeted production per month is 75,000 MT per month per stope and will go up to 85,000 MT per month per stope.	... The targeted production is 75,000 MT per month per set and will go up to 85,000 MT per month per set.												
61	Page 163, Clause 12	... Stope blasting is carried out at the end of first shift i.e. at 4.00 PM....	... Stope blasting is carried out at the end of first shift i.e. at 1.00 PM....												
62	Page 60, Clause 6.1	... in accordance with the laws of India and the courts at Ghatsila, Jharkhand....	... in accordance with the laws of India and the courts at Balaghat, Madhya												
63	Page 31, Clause 6.1Cap lamps along with charger, racks and safety wears will also be the responsibility of the Successful BidderCap lamps along with charger, racks and safety wears along with fluorescent jackets will also be the responsibility of the Successful Bidder												
64	Page 33, 34 Clause 1.3.8.1.10 & 1.3.8.1.11 Page 98 Price Bid	<table border="1"> <thead> <tr> <th>S</th> <th>Activity / Work</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td>Trackless Development of size 4.5m X 4m</td> </tr> </tbody> </table>	S	Activity / Work	1		2	Trackless Development of size 4.5m X 4m	<table border="1"> <thead> <tr> <th>S</th> <th>Activity / Work</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td>Trackless Development of size 4.5 (H) m x 4 (W) m</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Production drilling is to be merged with Ore production from stopes • Ore production from North & South extension and North & South mine to be merged. 	S	Activity / Work	1		2	Trackless Development of size 4.5 (H) m x 4 (W) m
S	Activity / Work														
1															
2	Trackless Development of size 4.5m X 4m														
S	Activity / Work														
1															
2	Trackless Development of size 4.5 (H) m x 4 (W) m														
65	Page 37, Clause 1.5.3.2.1	The bidder should have completed 5220 m of mine development in any year in underground mining during last seven years ending on 31.03.2018 from a single work.	The bidder should have completed 5220 m of mine development in any consecutive 12 months period in underground mining during last seven years ending on 31.03.2018 from a single work.												
66	Page 122, clause 6.2.2	(viii) Service Tax number	(viii) GST number												

Sl	Relevant clause	As per NIT	Revised clause
	viii)		
67	Page no 38, Clause 1.5.3.2.3	.....bid duly attested by the authorized signatory of the bidder.	.....bid duly attested by the authorized signatory of the bidder. The bidder should give an undertaking on non-judicial stamp paper of denomination Rs 50/- duly notarized stating that original manufacturers (OEM) / Authorized Dealers of the proposed equipment for deployment as per NIT will set up Sales Maintenance Service Support facilities in India on their own or through OEM for the equipment proposed to be deployed within 6 months of date of issue of Letter of Intent (LoI), like Depot / warehouse for supply of spare parts, Workshop facilities for servicing and repair of assemblies, subassemblies.
68	Page 24, Clause 1.3.8.1.5	<p>Ore Production:</p> <p>The Ore production shall involve Production blasting, Secondary (Boulder) blasting, mucking by LHD (preferably of Bucket Cap. 17 T) & LPDT (preferably of capacity 60-65 T) and dumping it outside the portal of North and South Decline. The muck, dumped outside the portal of North and South Decline, will be transported to the Primary crusher of Concentrator Plant at 592 mRL after weighing in the Weigh Bridge for actual ore tonnage measurement by using excavator dumper combination.</p> <p>Detailed scope of work for Ore Production etc. at North and South Extension ore block and also for stope tramming from 240 mRL through the declines of MCP is given below:</p> <p>Mine production work includes stope blasting (Production blasting), secondary (Boulder) blasting, mucking of the blasted rock using LHD (preferably of Bucket Cap. 17 T) & LPDT (preferably of Cap. 60-65 T) and dumping it outside the portal of North and South Decline. The muck, dumped outside the portal of North and South Decline, will be transferred to the Primary crusher of Concentrator Plant by engaging surface loaders and dumpers. Each dumper has to be weighed at the Surface weigh bridge before emptying into the crusher. The combination of one set will be two numbers 60-65 t LPDT with one matching capacity LHD is required be</p>	<p>Ore Production:</p> <p>(a) Before the commissioning of Production shaft the description of ore production shall be as below: “Ore Production: The Ore production shall involve Production Drilling, slot raise and slotting, blasting, Secondary (Boulder) blasting, mucking by LHD & Underground level tramming by LPDT (preferably of capacity 50-65 T) upto Decline junction at that level, dressing & supporting of roof/back and pillars as per the approved support plan, Ventilation, illumination and pumping. It also includes pipe fitting, drainage system, road maintenance, extension of pipe line, installation of auxiliary ventilation fans, extension of ducting for ventilation, water pipe line as and wherever required.”</p> <p>Ore haulage from UG to Surface using LPDT through Decline upto Decline Portal shall not be considered under Ore production. It shall be paid as per the rate defined by HCL in the corrigendum</p> <p>Surface haulage of ore from portal to primary crusher unit shall also be not considered under Ore production. It shall be paid as per the rate defined by HCL in the corrigendum.</p> <p>(b) After the commissioning of Production shaft the description of ore production shall be as below: “Ore Production: The Ore production shall involve Production Drilling, slot raise and slotting, blasting, Secondary (Boulder) blasting, mucking by LHD (preferably of Bucket Cap. 15-21 T) & Underground level tramming by LPDT (preferably of capacity 50-65 T) up to ore pass system at that level, dumping into ore pass system, dressing & supporting of roof/back and pillars as per the approved support plan, Ventilation, illumination and pumping. It also includes, weighment at underground weighbridge</p>



Sl	Relevant clause	As per NIT	Revised clause
		deployed	<p>installed by successful bidder, pipe fitting, drainage system, road maintenance, extension of pipe line, installation of auxiliary ventilation fans, extension of ducting for ventilation, water pipe line as and wherever required.”</p> <p>Detailed scope of work for Ore Production etc. at North and South Extension ore block and also for stope tramming from 240 mRL through the declines of MCP is given below:</p> <p>Mine production work includes, Production drilling, slot raise and slotting, stope blasting (Production blasting), secondary (Boulder) blasting, mucking of the blasted rock using LHD (preferably of Bucket Cap. 15-21T) & LPDT (preferably of Cap. 50-65 T) and UG level tramming upto North/South decline junction at that level.</p> <p>Ore haulage from UG (respective level) to Surface using LPDT through Decline upto Decline Portal shall not be considered under Ore production. It shall be paid as per the rate defined by HCL in the corrigendum</p> <p>Surface haulage of ore from portal to primary crusher unit shall also be not considered under Ore production. It shall be paid as per the rate defined by HCL in the corrigendum</p> <p>The muck, dumped outside the portal of North and South Decline, will be transferred to the Primary crusher of Concentrator Plant by engaging excavators and matching dumpers. Each dumper has to be weighed at the Surface weigh bridge before emptying into the crusher. The combination of each set to be deployed in underground mine will be three numbers 50-65 t LPDT with one matching capacity LHD (preferably of bucket capacity 15-21t) is required be deployed</p>
69	Page 25, Clause vii)	vii) Two new sets of equipment, i.e. two 60-65 t LPDT and one matching capacity LHD (preferably of bucket capacity 17 t) each in North and South Mine below open pit for ore production in 4th and 5th Year.	vii) Two new sets of equipment, i.e. two 50-65 t LPDT and one matching capacity LHD (preferably of bucket capacity 15-21t) each in North and South Mine below open pit for ore production.
70	Page no. 138 (1 st paragraph)	....Liquidated damages shall be calculated in the manner specified in this Article 8.6.2....	....Liquidated damages shall be calculated in the manner specified in this Article 8.1, f (b)....
71	Page no. 72 (last paragraph)	.... RFQ.....	.... tender document
72	Page 30		“After the commissioning of Production Shaft, Ore

Sl	Relevant clause	As per NIT	Revised clause
	New Clause (vi) inserted		hoisting system & Surface ore conveying system at Malanjkhanda underground mine, Production of ore will be hoisted through the Production Shaft after weighment in underground weighbridge (which will be commissioned by HCL) and conveyed to the Beneficiation Plant through the surface conveyor. Quantity of ore production will be calculated based on weighment in underground weighbridge. In case of breakdown of weighbridge last 7 days average will be considered. Commissioning and maintenance of weighbridge will be the responsibility of HCL. In case of Ore production through the Production shaft, rate for payment for 'ore production through the Production Shaft as in line item 4 in Price bid' will be derived by deducting Rs 376.71, i.e. 'Rate for Decline tramming & Surface hauling' from the Quoted rate for ore production in Price Bid by the successful bidder {Quoted rate for ore production in Price Bid by the successful bidder minus Rs 376.71, i.e. Rate for Decline tramming & Surface hauling}. The escalation will be calculated on the new derived rate (original bid rate for Ore Production less Rs 376.71 = 'X' amount which is to be escalated as per formula).

73. The revised Schedule of rates (Page 98 of NIT) is as below:

Sl No.	Description	Unit	Quantity	Rate (Rs./Unit)	Total amount (Rs.)
1	Trackless Development of size 4.2 m X 4 m including, drilling, blasting, muck removal and disposal at surface at the place specified by EIC as described in clause 1.3.8.1 of the Tender document.	m	20188	Not to be filled in hard copy	Not to be filled in hard copy
2	Trackless Development of size 4.5 m X 4 m including, drilling, blasting, muck removal and disposal at surface at the place specified by EIC as described in clause 1.3.8.1 of the Tender document.	m	11454	Not to be filled in hard copy	Not to be filled in hard copy
3	Trackless Development of size 5.5 m X 4 m including, drilling, blasting, muck removal and disposal at surface at the place specified by EIC as described in clause 1.3.8.1 of the Tender document.	m	949	Not to be filled in hard copy	Not to be filled in hard copy
4	Ore Production (from stopes) including Production Drilling, slot raise and slotting, blasting, Secondary (Boulder) blasting, mucking by LHD & Underground level tramming by LPDT (preferably of capacity 50-65 T) upto the place as directed by EIC, dressing & supporting of roof/back and pillars as per the approved support plan, Ventilation, illumination and pumping. It shall also include pipe fitting, drainage system, road maintenance, extension of pipe line, installation of auxiliary ventilation fans, extension of ducting for ventilation, water pipe line as and wherever required.	Ton	1102750 0	Not to be filled in hard copy	Not to be filled in hard copy

All other terms and conditions shall remain the same.

(D.K. Mahajan)
Executive Director (Materials & Contracts)