

**OCPL Manoharpur Mine end CHP
Additional Pre bid Queries**

S.No	Volume	Section/ Part/ Sub-Section	Clause	Page no	Bid Specification	Pre bid Query	Client's reply
Mechanical - Potable & service water system.							
01	Pre bid replies dated 04.02.2017	Sl no 170				Please provide the drawing number 13L16-DWG-M-PL-AG-001(sheet-1) R-6, as we have not received the same.	ETP is not in CHP bidder's scope
02	Pre bid replies dated 04.02.2017	Sl no 171				Please provide the drawing number 13L16-DWG-C-CHP-AG-001(sheet-1) R-7, as we have not received the same.	ETP is not in CHP bidder's scope
03	Doc. No. : 13L16-DOC-CHP-SPEC-001	Volume: II-B: Section VIII	4.00.00	4	Turbidity at the outlet.....with inlet clarified water turbidity of 25 NTU maximum.	Clarified water turbidity indicated is contradict each other. Please confirm clarified water turbidity for which pressure sand filter to be designed.	10 NTU Max. as per DCPL report
04	Pre bid replies dated 06.02.2017	Annexure II			Design clarified water analysis : Turbidity -10 NTU (Maximum)		
05	Doc. No. : 13L16-DOC-CHP-SPEC-001	V.IIA/S-IV		9	5 m upstream of service water reservoir terminated with an isolation valve.	Please provide the pipe size, pipe thickness & Isolation valve size as in it not indicated any where.	Specification for Incoming water line from ITPS is 355 NB pipe , 8 mm wall thickness. Rest of the pipeline will be suitably designed during detail engineering.
06	Doc. No. : 13L16-DOC-CHP-SPEC-001	V.IIB/S-I:8	2.06.00	8	Effluent Treatment system : During monsoon rain fall runoff from receiving pit area in considered effluent as this may carry suspended coal particle.....or dust suppression water by pumping.	Effluent treatment plant consisting of settling pond & pump house indicated in the drawing as well as layout drawing. Other than this one more ETP(no 32 in the layout) indicated in the drawing. Please clarify whether this ETP (Indicated as no 32 of layout) is included / Excluded in bidder scope.	ETP is not in CHP bidder's scope. However,water from settling pond shall be treated for reuse in Dust suppression system.
07	Doc. No. : 13L16-DOC-CHP-SPEC-001	V.IIB/S-I:39	22.00.00	39	Effluent Treatment system : During monsoon rain fall runoff from receiving pit area in considered effluent as this may carry suspended coal particle. The waste water shall be led to a settling tank and the supernatant shall be pumped back to for CHP dust suppression.		
08	CHP layout plan	OCPL-CHP-001			ETP space indicated as 32 in the layout, also one more effluent treatment indicated between dumper repair bay and dumper road		
09	Doc. No. : 13L16-DOC-CHP-SPEC-001	V.IIA/S-IV : 1	1.00.00 to 7.00.00	1 to 7	Scope of supply & services	ETP (no 32 in the layout) is not included in the bidder scope of supply. Please confirm.	ETP shown in Point no. 32 of revised plot plan is not in CHP bidder's scope.
10						If ETP (no 32 in the layout) is in bidder scope of supply then please provide the following	
						- Source of effluent including flow details for effluent treatment plant.	
						- Capacity of effluent plant	
						- Specification of effluent treatment plant	
						- Process envisaged for effluent treatment plant.	
						- Inflow Effluent parameter details for sizing the effluent treatment plant.	
						- Treated water uses details etc.	

11	Doc. No. : 13L16-DOC-CHP-SPEC-001	V.IIB/S-I : 41	23.05.00	41	Adequate number of Sump pumps with stand-by to be provided at required locations with automatic level control including discharge piping. Also capacity of sump pits should be adequate to match with pump requirement and subject to owner's approval.	Please provide the locations where sump pump is required, we will consider the same. However absent of data it is difficult to assume the locations and it will lead to ambiguity during detailing.	Refer technical specification.
12	Doc. No. : 13L16-DOC-CHP-SPEC-001	V.IIB/S-VI : 2	3.02.00	2	Supply & Installation of 2 x 100 % capacity service water pumps nad 2 x 100% Capacity potable water pumps complete with electric motor drive & accessories within pump house and complete piping, fittings, valves & instrumentats etc. for the system will be in the scope of bidder.	Please provide the minimum capacity of pump required by client.	Bidder shall refer Volume -IIB, Section-VI, Clause no: 4.00.00 in this regard.
13	Doc. No. : 13L16-DOC-CHP-SPEC-001	V.IIB/S-VIII : 4	5.00.00	4	The operation and control of potable water treatment system shall be through a hot redundant PLC in semi auto mode. However there shall be provision to changeover to manual operation. The operation of the potable water treatment system will be "semi automatic",.....The system will employ alogical system which will link the various step such as closing/ opening of different valves which make a sequence.	Instrument air supply with required pressure to be provided by the client for operation of pneumatically operated valves. Please confirm.	Electrically operated valves to be considered in place of pneumatically operated valves.
14	Dwg no - 13L16-DWG-M-PW-PI-001, Rev 0				P&ID for potable water treatment plant : Pneumatically operated valves indicated in the PSF frontal piping.		
15	Pre bid replies dated 04.02.2017	List of building, Sl no 12			Drinking water supply to Colony to be added, along with associated road and rail crossing. Water reservoir boundary No. (44) in revised plot plan	Please confirm whether colonys are same or different.	Please read Colony and Mining colony as same.
16	Pre bid replies dated 04.02.2017	List of non plant building with specification, sl no 13			Potable water pipe line to mining colony and associated rail and road crossing.		
17	Pre bid replies dated 04.02.2017	List of non plant building with specification, sl no 13			Potable water pipe line to mining colony and associated rail and road crossing.	Please confirm , Potable water distribution inside colony is included / excluded is in bidder scope work.	Potable water distribution inside colony is excluded from CHP bidder scope work. Bidder will execute the potable water pipe line upto a specified point as indicated in the revised plot plan.
18	CHP layout plan	OCPL-CHP-001			Sl no 43 in the layout drawing, water pipe line for mining colony , length -1700 m	Please provide the routing drawing / survey drawing / L section drawing for estimating the civil / mechanical BOQ for pipe line.	Approx length will be 800 meter. However, detailing , routing, piping network design need to be done by successful bidder along with CHP design.
19	Doc. No. : 13L16-DOC-CHP-SPEC-001	V.IIB/S-VIII : 1	2.00.00, iv	1	One(1) waste backwash water sump (WBWS) including all accessories etc.	We have considered waste backwash sump(WBWS) size with holding volume of backwash water quantity for single filter. Please confirm.	Owner's technical specification shall prevail.
Mechanical							
1	II-B	IA	1.00.00	11 of 19		With present configuration in a parallel conveyor streams whether 1 or both the conveyors will run simultaneously for the below routings : a) From Receiving Pit complex to Over ground Bunkers, b) From Over Ground Bunker to Rapid Loading System,	Owner's technical specification shall prevail.
2	II-B	IA	2.01.02	12 of 19		Please specify the type of Liner required for Dump Hopper	Owner's technical specification shall prevail.

3	IIB	IA	2.01.01.01		As mentioned the Receiving Pit shall be above ground. But to meet 250 Cu.M effective capacity of Dump Hopper, with a Ramp Height is getting increased from 10 mtr (as provided in tender drg) to 12 mtr, the Receiving Pit bottom level also need to lower 8.5 mtr from 256.0 Mtr Graded level. Client to reply whether same is acceptable.	Will be finalized during detail engineering.
4	IIB	IA	2.02.01.01		W.r.t. above mentioned point no. -10 (along with addition of maintenance bay for paddle feeders) and to get required Lift of Reclaiming Conveyors BC-6A/6B, the location of transfer house TH-6A & Th-7 have been shifted by apprx. 40 mtr along the conveyor BC-6A/6B towards Head End. The Plant Service Road will be shifted accordingly, while keeping its purpose intact. Client to Confirm	Will be finalized during detail engineering.
5	IIF				W.r.t. OCPL's Tender Drawing No. 13L16-DWG-M-CON-GA-008 R-2 - : "PLAN & ELEVATION OF CONVEYOR BC8A, BC8B, BC9A & BC9B" : As noticed/understood from Tender drawing that 1 no. of Rapid Loading System on each of 2 nos of parallel track has been considered. Client to Confirm the same.	01 number RLS for each track.
6	IIB	IB	16.00.00		W.r.t. OCPL's Technical Specification No. 13L16-DOC-CHP-SPEC-001 Volume-IIB-Sec-IB Clause No. 16.00.00 : Client to provide the type of Liner to be considered for Surge Bins of RLS & to what extent of Cylindrical & Conical portion of Surge Bin. Also Client to suggest what kind of Liners to be considered for Weigh Bins of RLS.	Please refer our technical specification.
7	IIF				W.r.t. OCPL's Tender Drawing No. 13L16-DWG-M-CON-GA-008 R-2 - : "PLAN & ELEVATION OF CONVEYOR BC8A, BC8B, BC9A & BC9B : To reduce building height we suggest 2 nos of Reversible Conveyors on top of Surge Bin floor at Wagon Loading Complex instead of 2 nos of Flap Gates. Client to give clearance on same.	Owner's technical specification shall prevail.
8	IIB	IC		14 of 62	W.r.t. OCPL's Technical Specification No. - 13L16-CHP-Vol-IIB-Sec-IC_Data Sheet 4 (page no. 14 of 62) : Client to Provide PSD analysis/ Sieve report for the Raw material getting received, for Sizing in Primary Sizer.	Owner's technical specification shall prevail.
9		Appendix-B1 - Price Schedule		15 of 60	W.r.t. OCPL's Document- Appendix B1 - Price Schedule (page no. - 15 of 60): Client to Note that Coal Sampler Room has been considered along with Transfer House TH-7, hence no separate Coal Sampler Room has been considered.	Owner's technical specification shall prevail.
10					W.r.t. OCPL's Tender Drawing Nos. 13L16-DWG-M-CON-GA-002-R-2 and 13L16-DWG-M-CON-GA-003 R-2 : Client to clarify whether the Necessary floor & building structures for holding the "Drive end of Incoming IPCC Conveyors (Future) & its Chutes" shall form the scope of supply of this package.	Bidder has to design CHP in such a way that all future Conveyors, chutes and associated accessories can be accomodated in it.
11		Process Flow Diagram			W.r.t. OCPL's Tender Drawing Nos. 13L16-DWG-M-CHP-PF-001 - Process Flow Diagram : Instead of extending the Belt conveyor BC-5A from Top of Over ground Bunker to Future Over ground Bunker , we propose to consider provision for a separate belt conveyor, which shall take feed from Conveyor BC-5A & shall discharge onto the Tripper Conveyors of Future Overground Bunker. Client to Confirm.	Please refer Drawing No. 13L16-DWG-M-CHP-PF-001 REV -3 for clarification.

12					<p>Please note that to meet the TPH with mention Belt Width (ref PFD) the Belt speed for some conveyor is coming as 4.7 m/sec. As in Tender Specification it is written that belt speed shall be around 4 m/sec. Hence we request to allow the maximum belt speed of conveyor as 4.7 m/sec. Client to Confirm.</p> <p>Or at least to specify unto what level this belt speed can be kept above 4 m/sec. Because for some conveyor for this only belt width is getting increased than provided in PFD.</p>	Will be finalized during detail engineering.
13					<p>W.r.t to Doc. No.-2 of "Consolidated Client's Replies to Bidder's Technical Queries" as recvd on dtd. 04.02.2017 :</p> <p>Please share the Latest Process Flow Diagram with us.</p>	refer Drawing No. 13L16-DWG-M-CHP-PF-001 REV -3
14					<p>W.r.t to Sl. No.-170 of Doc. No.-2 of "Consolidated Client's Replies to Bidder's Technical Queries" as recvd on dtd. 04.02.2017 :</p> <p>It seems that the Latest Plot plan document - 13L16-DWG-M-PL-001(Sheet-1) is of Revision-6 or may be higher. Kindly share the AutoCAD version of same, containing <u>North-East Grid markings</u>.</p>	<p>Please forward AUTOCAD version of the following drawings.</p> <p>1. CHP Plot Plan : 13L16-DWG-M-PL-001(Sheet-1)-R7</p> <p>2. CHP Grading Plan with Contour : 13L16-DWG-M-001(Sheet 2)-R5</p>
15				<p>W.r.t to Sl. No.-171 of Doc. No.-2 of "Consolidated Client's Replies to Bidder's Technical Queries" as recvd on dtd. 04.02.2017 :</p> <p>It seems that the Area Grading for CHP document - 13L16-DWG-C-CHP-AG-001(Sheet-1) is of Revision-7 or More. Kindly share the AutoCAD version of same, containing <u>North-East Grid markings</u>.</p> <p>As we are having only revision-2 of above document, hence the updated document is required to finalized the layout & excavation/filling estimation.</p>		
16					<p>Regarding the Doc named - "Mano_Out_Cont_Layout Levels" as recvd on dtd. 07.02.2017 :</p> <p>We need the AutoCAD version of this document with North-East Grid line marking, so that same can be superimpose on final layout & suitabl excavation/filling estimation can be done.</p>	
17					<p>Regarding the Doc named - "Mano_Out_Cont_Layout Levels" as recvd on dtd. 07.02.2017 :</p> <p>We need the AutoCAD version of this document with North-East Grid line marking, so that same can be superimpose on final layout & suitabl excavation/filling estimation can be done.</p>	
18					<p>W.r.t. the plant layout file "14.CHP_PACKAGE_final-Model_Layout" recvd on dtd. 07.02.2017 :</p> <p>Please note that followings at Dumper Repair Bay area & its relevant accessories such as duper washing bay, pump house, ETP, various repair shop, workshop sub-stations etc which are not Highlighted/Itemized in given layout are not in our scope of work/supply.</p>	Noted.
19					<p>What is the Width of Garia Nala at the crossing of Conveyor from TH-2 to Th-3, as it seems now 12 mtr. Please confirm.</p>	Please consider 30 mtr. Width

Mechanical - HVAC

1	VOLUME : II-B	SECTION-III	2.02.00	10 of 17 (Pdf copy)	<p>2.02.00 Scope of supply/ services A) AIR CONDITIONING EQUIPMENT Split type Air Conditioning unit of suitable capacity/ numbers is to be considered for the following areas :</p> <p>f) Administrative Building</p>	<p>In reference to : Part-IV. Contracts\Annexure-I. Technical Spec\Volume II\Volume-II F Drawings\ARCHITECTURE\Autocad Version\ADMIN. BUILDING Dwg.no: 13L16-DWG-A-AD-ASK1 TITLE: ADMINISTRATION BUILDING GROUND FLOOR. In above building ground floor plan has i) Office area ii) Administrative /Personnel areas, these two premises are having more floor area hence bidder proposing Air cooled ductable split air conditioners instead of not Ductable split air conditioners. All other areas envisaged with non Ductable split air conditioners only. Please confirm.</p>	Owner's technical specification shall prevail.
2	VOLUME : II-B	SECTION-III	2.02.00	10 of 17 (Pdf copy)	<p>2.02.00 Scope of supply/ services A) AIR CONDITIONING EQUIPMENT Split type Air Conditioning unit of suitable capacity/ numbers is to be considered for the following areas :</p> <p>a) CHP Control Room b) Local Panel Room (at Receiving Pit) c) Space for I O Rack d) Room for VVVF Panel e) CHP Office f) Administrative Building g) Canteen Building Dining Hall h) First Aid Building i) Store Office j) Fire station panel room k) Security and time office l) Potable Water Treatment Plant control room</p>	<p>Bidder could not found regarding stand by units in the specification for air conditioning system hence bidder proposing standby units as per below,</p> <p>a) CHP Control Room - (nW +1SB) b) Local Panel Room (at Receiving Pit) - (nW +1SB) d) Room for VVVF Panel - (nW +1SB) l) Potable Water Treatment Plant control room - (nW +1SB) Bidder envisaging stand by units only above mentioned a),b), d) & l) areas. All other areas without stand by units.</p> <p>Please confirm.</p>	Will be finalized during detail engineering.
Mechanical - Fire Fighting System							
1	II B	V	2.01.00	3	<p>For the open cast coal mine infrastructure facilities, the category of Hazard Classification is Ordinary Hazard and the system is to be designed accordingly.</p>	<p>As per TAC clause 7.2.3, Coal and/or Coke and/or Charcoal Ball Briquettes Manufacturing mentioned as high hazard occupancies - sub category-A. Bidder is considering high hazard based on the following details to be changed, 1.Hydrant spacing (30 m for external & internal) 2.Pump capacity (more than 100 hydrants pump capacity go for 410 m3/hr) 3.Fire water storage tank capacity (3 hours) 4. Diesel oil tank storage (6 hours for full load operation) Please confirm.</p>	In general Bidder's understanding is accepted subject to the following point. Dedicated fire water storage shall be as per TAC Stipulation subject to minimum of 2000 cum as shown in the flow diagram: 13L16-DWG-M-FW-PI-001-R0 ####
2	II F	13L16-DWG-M-FW-PI-001 / R0 (Flow diagram for Fire water supply system)			<p>No of pumps 1.Hydrant system - 2W+1S 2.Spray system -1W+1S</p>	<p>Mismatching Pump quantity. Please clarify which one follow to bidder.</p>	<p>No of pumps 1.Hydrant system - 2W+1S 2.Spray system -1W+1S</p>
	II B	V A / DS	1.05.00	1	<p>No of pumps Hydrant / Spray system - 2W+1S</p>		

3	II B	V A / DS	2.01.00	1	Rated capacity (m3/hr.) for Jockey pump as 10.8 m3/hr	As per TAC clause 7.4.1.11 (The capacity of the Jockey Pumps shall neither be more than 5 % of the installed pumping capacity nor less than 3 % thereof (with a minimum of 10.8 m3/hr.). So minimum required jockey pump capacity 17 m3/hr (2 X 273 X 0.03=16.38 m3/hr). Bidder is considering the same. Please confirm.	Jockey pump capacity shall be as per TAC clause 7.4.1.11.
4	II F	13L16-DWG-M-FW-PI-001 / R0 (Flow diagram for Fire water supply system)			Air compressor - 1 no	Bidder is considering Air compressor quantity as 2 nos (1W+1S). Please confirm.	Owner's technical specification shall prevail.
Electrical							
1	VOL: II-D	Section-I	8.01.00	25	Soil resistivity measurement for designing grounding system is included in scope of this package.	We request client to specify the soil resistivity value, for bidding purpose.	Soil testing report given is indicative. However, soil testing has to be done by successful bidder before designing.