DAMODAR VALLEY CORPORATION (Bid Clarification of Pre-Bid discussion held on 08.10.2013 at 11:00 Hrs (IST)

Bidder -1

SI. NO.	SECTION NO.	SPECIFICATION NO. / SH NO. / CLAUSE NO	AS PER CLAUSE	Clarification	DVC's Reply
1	All drawing - Plot plan, Elevation & flow diagram		Available in PDF format	We request DVC to please provide all tender drawings in Auto Cad format for more clarity.	Layout in Auto CAD is attched.
2	Plot Plan drawing no. 9586-109-POM-F-002, R0		In - haul & Out - haul side track direction for wagon tippler not available in enquiry document	In absence of In - haul & Out - haul side track direction , we assume In – haul (pre tippling) & Out – haul (post tippling) side track direction as per our attached sketch. We request DVC to please confirm if our understanding is correct.	Layout in Auto CAD is attched.
3	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		Below details has not avalable in enquiry specification, i) Details of Existing TP - 3, ii)Technical Specification (like belt width, capacity,belt speed etc.) of all incoming & out going exising conveyors in TP-3	For better understanding, we request DVC to please provide G.A drawing of Existing TP-3 in Auto Cad format (including Mechanical & structural details) along with incoming & outgoing Belt conveyors specification in TP-3. We understand that, incoming coal from Existing conveyor to Belt Feeder shall be crushed & sized. Please confirm if our understanding is correct.	G.A. Drawings of TP-3 will be provided .Belt will be of 1600TPH. Incoming coal to the belt feeder is crushed copal i.e -20mm size.
4	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		Scope of Dust & Debris chute on Existing TP-3 Not available in enquiry specification.	a) As per the tender drawing no. 9586-109-POM-F-001, Rev. 0 , it is not clear whether Dust & Debris chute exists on Existing TP-3 or not and the same is excluded from bidder's scope. b) We assume,Existing TP-3 is capable to take care of loads for equipments / items like BF-3 & head end of BC-25.Please confirm.	a) Dust Debri chute is already exit in the TP-3 so it is not in the bidders scope ,however approach to the opening of the debri chute if required, is in bidder's scope. b)Confirmed.
5	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		4 Nos. of coal bunker envisaged in each unit & each bay.	Due to discrepancy in flow diagram no.9586-109-POM-F-001, Rev. 0 and plot plan Plan dwg. No. 9586-109-POM-F-002, Rev. 0 , we would follow details as as hown in Plot plan. Please Confirm.	4 Nos. of coal bunker envisaged in each unit & each bay.
	Conveyor Profiles dwg. No. 9586-109-POM-F-003, Rev. 1, sheet 2 of		4 Nos. of coal bunker envisaged in each unit & each bay.		
	Plot Plan dwg. No. 9586-109-POM-F-002, Rev. 0		a) In Unit I, 5 Nos. & 4 Nos. of coal bunker envisaged in Bay 1 & Bay 2 respectively. b) In Unit II, 5 Nos. & 4 Nos. of coal bunker envisaged in Bay 1 & Bay 2 respectively.		
6	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		Requirement of Exhaust fan for bunker bay ventilation system has not envisaged in flow diagram.	We request DVC to please confirm whether Exhaust fan for bunker bay ventilation system are to be provided.	Exhaust fan of Bunker Floor is in Bidder's scope.
7	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		EOT Crane shown in wagon tippler shed / complex but absence lifting capacity.	We request DVC to please furnish the lifting capacity of EOT Crane located in wagon tippler shed.	EOT may be selected in such a way that it can handle the heaviest equipment under the W/T Complex
8	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		Only two way chute (without flap gate) envisaged at discharge of tripper no. TTR-1 to 4.	According to functional requirement, we recommend 3 way chute with 2 nos. flap gate at discharge of TTR and conveyor end discharge . Please confirm.	3 way chute with 2 nos. flap gate at discharge of TTR and conveyor end discharge is accepted.
	Vol. II Sec-D.1.1	2.01.04 / Page no. 3 of 33	Travelling Trippers (Mobile)' Type - Motor driven rail mounted, 3-way discharge chute		

9	Vol. II Sec-C.2	2.01.02 / vii, Page no. 13 of 38	Conveyor BC-24 shall also feed the coal after regulating the flap gate of Conveyor BC-24(FG-26) at TP-19 to conveyor BC -25(1600TPH max) and balance coal to yard Conveyor RYC-2 for stacking coal.	Due to functional limitation of flap gate, Bidder suggests Flow Divider to be better option to divide the flow of 1600 TPH feed to BC-25 & balance 600 TPH feed to RYC-2 .Thus a flow divider will replace FG-26. Please confirm.	As per Tech Spec.
10	VOL II Sec-C.6	List of Mandatory spares	List of Mandatory spares available in both section.	Bidder requests DVC to please confirm which list of mandatory spares is to be considered since the two lists mentioned are different.	List of mandatory spreas as per VOL II Sec-C.6 is final .
	Envelope 4, Section-2	Clause no. B, Mandatory spares			
11	Vol. II Sec-D.1.1	2.01.01 / c, Page 2 of 33	For Pulley, following minimum parameters shall be followed: Shell thickness : 20 mm (min) End disc plate thickness : 30 mm (min)	Since the two clauses are contradictory, Bidder requests DVC to please clarify which clause is to be followed .	For Pulley, following minimum parameters shall be followed: Shell thickness : 20 mm (min) End disc plate thickness : 30 mm (min)
	Vol. II Sec-D.1.06	2.6.1 / Page 14 of 18	General (for all types of Pulleys): Minimum shell thickness : 16 mm, Minimum end disc thickness : 24 mm		
12	Vol. II Sec-D.1.20	1.02.02, page 2 of 8	Steel gratings of mesh size 300 mm x 300 mm over wagon tippler hopper shall be provided with inclination.	Since the two clauses are contradictory, Bidder requests DVC to please clarify which clause is to be followed .	Steel gratings of mesh size 300 mm x 300 mm over wagon tippler hopper shall be provided with inclination.
	Vol. II Sec-D.3.01	1.02.02, page 8 of 83	Steel gratings of mesh size 350mm square for wagon tippler hopper shall be provided.		
13	Vol. II Sec-C.2	1.0.0 / iii), Page no. 1 of 38,	Providing O & M manuals for the Employer's review, approval and records.	Submission of O & M manual is only for Employer's record purpose and not for approval.We request DVC to please confirm whether our understanding is correct .	Providing O & M manuals for the Employer's review, approval and records.
14	Vol. II Sec-D.1.05	1.02.04, page 1 of 8 / Chutes, Hoppers	Complete chute work above the drive floor for conveyors provided with 'In-line belt magnetic separators' shall be of 20 mm thick SS - 304 in the zone of magnetic field.	We propose 10 mm thk. SS 304. Please confirm.	Complete chute work above the drive floor for conveyors provided with 'In-line belt magnetic separators' shall be of 20 mm thick SS - 304 in the zone of magnetic field.
	Vol. II Sec-D.1.05	2.1.2 page 6 of 8 / Chutes, Hoppers	In the zone of magnetic field of ILMS (chute above floor over which ILMS is suspended) : SS-304 10 mm thk.		
15	VOL II Sec-D.1.11	2.1.4 / Page no. 4 of 5	Steel construction with minimum 1000 mm width.	Since the two clauses are contradictory, Bidder requests DVC to please clarify which clause is to be followed .	Min clear width of stair shall be 1.2 M for general & 1.0 m for fire escape stair.
	VOL II Sec-D.3.01	4.10.00 / Page no. 17 of 18	Min clear width of stair shall be 1.2 M for general & 1.0 m for fire escape stair.		
16	Vol. II Sec-D.1.03	2.1.1 / BRAKES AND CLAMPS	Brake type : Electro Hydraulic Thruster brakes A.C. operated or Disc brakes.	We will consider drum type Brake with electro hydraulic thruster. Please confirm.	Brake type : Electro Hydraulic Thruster brakes A.C. operated .
17	Vol. II Sec-C.2	2.03.01.02 / Page 30 of 38	All the steel structure and foundation of Bunker area TPs (TP-22,TP-23,TP-24 and TP-25 and the galleries in between TP-22-23,TP-23-24,TP-24-25 and bunker connecting galleries from these Main TPs) are in the Employer scope however, all the floors (RCC / chequered / grated) of these TPs are in the bidders scope.	Considering that the steel structure and foundation of Bunker area TPs (TP-22,TP-23,TP-24 and TP-25 and the galleries in between TP-22-23,TP-23-24,TP-24-25 and bunker connecting galleries from these Main TPs) are in scope of DVC, We request DVC to kindly include all RCC Floors & roof for the bunker area TPs in their scope.Please confirm.	For clause 2.03.01.02 / Page 30 of 38 - This will be as per Tech .Spec. For clause 2.04.01 / Page 34 of 38 is as Per Tech.Spec.
	Vol. II Sec-C.2	2.04.01 / Page 34 of 38	Structural and architectural works including Building foundation, roof, drainage system ,etc for transfer points TP-22 TP-23,TP-24and TP-25 along with conveyor gallery for conveyor 22A/B (between TP-22 & TP-23), 23A/B,BC-1/BC-2and BC-3/BC-4 are excluded from Bidders scope.	Scope of dust & debris chute (at these bunker area TPs & Bunker top floor) has not been envisaged in the tender documents. Hence not included in our scope however hoist along with monorails shall be in Bidder scope.	
18	Counter weight Material of construction		Not available in enquiry specification.	We propose Concrete counter weight block. Please confirm.	**As per Tech.Spec.**

19	Conveyor Profiles dwg. No. 9586-109-POM-F-003, Rev. 1, sheet 2 of 2		Profile of Conveyor BC-17A/B - Material feed angle 13.6 deg.	Generally 13.6 deg. Inclination at material feeding area is not advisable for lumpy raw material. Hence we recommend 6 to 8 deg. Inclination. Please confirm.	**As per Tech.Spec.**
20	Feed table at bottom of track hopper		Construction of Feed table at bottom of track hopper - not available in tender documents.	We will consider RCC feed table with 50 mm thk. Guniting on top of table.Please confirm.	**Confirmed**
21	Stock Pile capacity		Not envisaged in enquiry specification	We request DVC to indicate capacity of each pile(4 Nos.)	**15 days crushed coal stock in has been envisage for total capacity of four stock piles**
22	Vol. II Sec-C.2	2.01.02 / Brief description of proposed Coal handling Plant, Page no. 11 of 38	the coal received form Box-N wagons shall be unloaded in underground RCC hoppers by means of Rota side Wagon tipplers	We have worked out hopper storage capacity considering BOX N wagon as follows, Pay load of each BOX N wagon = 58.08 MT, Total capacity of hopper = 3 nos. x 58.08 MT = 174.24 MT. Hence we request you to confirm whether hopper capacity shall be equal to accommodate material of 3 nos. BOX N wagon or min 200 MT.	**Min 200 MT**
	Vol. II Sec-D.1.20	2.1.0 / Page no. 7 of 9	Wagon Tippler Hopper capacity - To accommodate atleast 3 nos. 8 wheeled wagons(Min 200Te)		
23	Vol. II Sec-D.1.06	1.11.02 / Page 8 of 18	Single LT drive motors shall be used for conveyor drive ratings up to 160 KW. For conveyor drive rating beyond 160 KW, single HT drive shall be used for conveyors.	Due to space limitation on bunker floor, we propose LT Drive with traction type fluid coupling for Tripper conveyor BC-1 to 4 even though calculated drive rating will be above 160 kw. Please confirm.	**3.3 KV motors should be used for drive rating>160KW as per specifications**
24	Vol. II Sec-D.1.1	3.02.01 / Page 7 of 18	STANDARDS / CODES - below codes are avalable under this clause, a) Bureau of Indian Standards (BIS) b) Conveyor Equipment Manufacturers Association (CEMA)	We request DVC to please clarify which ' Standard' is to be considered for belt conveyor design since CEMA, IS & International Standard are available in tender documents.	**CEMA**
	Vol. II Sec-D.1.06	1.02.07 / Page 2 of 18	Belt conveyor system shall be designed as per the latest edition of 'Belt Conveyors for Bulk Materials'published by Conveyor Equipment Manufacturer's Association'or equivalent International Standard.		
25	Vol. II Sec-D.1.09	1.05.09 / Potable water (PW) system, Page 6 of 21	Potable water connections are to be provided in all transfer points, wagon tippler top, crusher house, all tripper floors, the machinery well at both ends of track hopper, track hopper top at both ends and all control rooms/MCC rooms and toilets etc	We understand that, drinking water and potable water are one and the same. Please confirm.	**Confirmed**
	Vol. II Sec-D.1.09	1.05.09 / Potable water (PW) system, Page 6 of 21	The drinking water storage tanks shall have provision for maintenance & drain.		
	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		Requirement of only drinking water is indicated & not indicated portable water requirement in flow diagram.		
26	Vol. II Sec-D.1.09	1.05.11.2 / Page 7 of 21	Fans shall be located in bunker floor while the bag filters, hoppers and air lock shall be roof mounted.	We propose Fan discharge duct upto 2m above roof. Please confirm.	**As per Tech Spech.**
27	Dust Suppression system before wagon unloading		Requirement of Wagon pre waiting - Plain water Dust suppression system - not indicated in enquiry document.	Please note requirement of plain water Dust suppression system for 2 waiting wagons (before unloading) is not indicated in the tender documents,hence we request DVC to kindly confirm requirement of the same.	**Two Wating Wagons**

28	Vol. II Sec-D.1.10	1.1.1 / DATA SHEET: VENTILATION SYSTEM, Page 8 of 11	For over ground building ; Not less than 10 supply air changes & 7 Exhaust changes	We propose 7 Nos. air changes for Ventilation system for above ground areas like toilets & Sub station building. Please confirm.	**As per Tech.Spec.**
29	Vol. II Sec-D.1.07	1.02.08 / Page 2 of 5	Independent arrangement for forced cooling water supply using 2X100% capacity pumps to oil cooler shall be provided by Contractor	We request DVC tp please clarify if two nos of pump (1w+1s) or a single pump with capacity double of the actual requirement is to be considered.	**1W + 1 S**
30	Vol.- I Section - 6 (Bid forms & Procudures)	Page - 56/92 Appendix - 6 (Scope of work Supply by the employer)	Employer provides eletricity @3 Phase , 415 volts level for construction purpouse as Chargeable basis as per prevailing rate at site.	Bidder requests DVC to please provide prevailing rate for power/eletricity at site for construction purpose.	As per ref scope of work,electricity will be provided as per prevailing rate of WBSEB supply.
31	Vol.- I Section - 6 (Bid forms & Procudures)	Page - 56/92 Appendix - 6 (Scope of work	Employer provides space for labour colony.	Bidder presumes that employer shall provide space for labour colony inside plant premises.	It will be provided depends upon the avlablity of space.
32	Vol-II Section - D-3 .01	Clause no.- 20.02.00 Preparation of surface.	Steel surface to be cleaned to near white metal surface (Sa 2 $^{1/2}$) grade by using approved types of Abrasives only.	Bidder request DVC to kindly provide the type of approved abarasives used for Blasting works.	will be decided during execution of the work
SI. NO.	**SECTION NO.**	**SPECIFICATION NO. / SH NO. / CLAUSE NO**	**Description as per NIT**	**Query**	**Remark**
1	Vol. II Sec-D.1.06	1.02.02 / Page 2 of 18	Slopes of conveyors, wherever applicable, shall not exceed 16 deg. depending on the lump size, and other governing factors. However for the pre-crushed zone the slope shall not be more than 14 degrees.	Since the two clauses are contradictory, Bidder requests DVC to please clarify which clause is to be followed . Further to clause no. 1.02.02, we understand that, conveyor inclination for pre crushed / after crushed zone shall be 14 deg. Max / 16 deg, Max. Please confirm	Conveyor inclination for pre crushed coal is 14 degree Max.and after crushed zone iw shall be 16 degree Max
	Conveyor Profiles dwg. No. 9586-109-POM-F-003, Rev. 1, sheet 1 & 2 of 2		Belt conveyor BC-1 to BC-4 inclination specifies 16.21 deg.		
2	Vol. II Sec-D.1.1	2.01.00 / Page 1 of 33	PARAMETERS like rated / design capacity, belt speed,width, troughing angle given in enquiry specification.	a) Considering 35 deg. Troughing angle, 3.4 mps belt speed (Max), 2200 TPH Rated, 2420 TPH Design cap, 800 kg./cu m bulk density & slope factor suit for 14 deg. inclination, we have worked out 1600 mm belt width with 88% & 96% filling factor on rated & design capacity respectively. b) Considering 35 deg. Troughing angle, 3.4 mps belt speed (Max), 2200 TPH Rated, 2420 TPH Design cap, 800 kg./cu m bulk density & slope factor suit for 14 deg. inclination, we have worked out 1800 mm belt width with 68% & 75% filling factor on rated & design capacity respectively. c) For optimization purpose, if we consider 45 deg. Troughing angle, 3.55 mps belt speed (Approx), slope factor suit suit for 14 deg. inclination then calculated belt width will be 1600 mm with 73% & 80% filling factor on rated & design capacity respectively. This condition will satisfy belt filling as per CEMA std. Hence we request DVC to kindly confirm which condition is to be followed.	As per Tech.Spec.

3	Typ. conveyor Gallery / Tunnel cross section, dwg. No. 9586-109-POM-F-004, Rev. 1		Tunnel cross section for conv. No. BC-TH MB to TP-15 & Tunnel cross section for conv. No. bc-16,17 & 18.	i) We understand that, conveyor C/C dimensions shown under Tunnel cross section for conveyor no. BC-TH MB to TP-15 are suitable for Tunnel cross section for conv. no. BC-16,17 & 18 and conveyor C/C dimensions shown under Tunnel cross section for conveyor no.BC-16,17 & 18 are suitable for Tunnel cross section for conv. no. BC-TH MB to TP-15.We request DVC to please confirm if our understanding is correct.	As per Tech.Spech
4	Conveyor Profiles dwg. No. 9586-109-POM-F-003, Rev. 1, sheet 2 of 2		In TP-23, indicate Belt conveyor BC-22A is feed to BC-2 or BC-23A or 23B & Belt conveyor BC-22B is feed to BC-2 or BC-23A or 23B,	Since the two clauses are contradictory, Bidder requests DVC to please clarify which drawing is to be followed .	Follows Coal Flow Diagram .Revised Drawing is attached
	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		In TP-23, indicate Belt conveyor BC-22A is feed to BC-2 or BC-23A & Belt conveyor BC-22B is feed to BC-2 or BC-23B		
5	Conveyor Profiles dwg. No. 9586-109-POM-F-003, Rev. 1, sheet 1 of 2		In TP-23, indicate Fixed tripper on Belt conveyor BC-22A / 22B	We are not clear about requirement of fixed tripper on belt conveyor no. BC-22A / 22B in TP-23We request DVC to please explain the same.	Follow Coal Flow diagram
6	Flow diagram dwg. No. 9586-109-POM-F-001, Rev. 0		Equipment data sheet listed following capacity, i) BW-6 - Suit for 1600 TPH Rated & 1760 TPH Design, ii) Roller screen - suit for 1100 TPH Rated & 1210 TPH Design	i) In our opinion, Belt weigher BW-6 is suitable for 2200 TPH Rated & 2420 TPH Design,since it is located on Boom conveyor. We request DVC to please confirm if our understanding is correct. ii) In our opinion, Roller screen capacity is suitable for1200 TPH Rated & 1320 TPH Design. We request DVC to please confirm if our understanding is correct.	(i) BW-6 shall be suitable for max. capacity of Boom Conveyor at peack load. (ii) Roller screen capacity is suitable for1200 TPH Rated & 1320 TPH Desig
7	Typ. Conveyor gallery / Tunnel cross section dwg. No. 9586-109-POM-F-004, Rev. 1		Central & end stone picking chute indicate in Gallery cross section at stone picking zone for double conv. BC-16A/B & 20A/B	As per cross section, available clear walkway space is 1100 mm at centre & this space is not convenient for stone picking operation at centre. Hence, we don't suggest location of stone picking chute in between two conveyors. For your review & comments, we are enclosing herewith our typical sketch of stone picking gallery cross section.	As per Tech Spec.
8	Conveyor Profiles dwg. No. 9586-109-POM-F-003, Rev. 1, sheet 1 of 2		Not available FGL & Rail top Level in Wagon tippler zone.	We shall consider FGL & Top of Rail Level in wagon tippler zone as (-) 0.500 mtrs & (+) 0.500 mtrs respectivly.Please Confirm. i) We shall consider FGL & Top of Rail Level in Track hopper zone : (-) 0.500 Mtrs & (+) 0.500 mtrs respectivly. ii) For other area FGL : (-) 0.300 mtrs, Please confirm.	Layout in Auto CAD is attched.
9	Typ. conveyor Gallery / Tunnel cross section, dwg. No. 9586-109-POM-F-004, Rev. 1		Distance indicated 1500 mm from bottom of stand & top of belt.	Distance of 1500 mm indicated from bottom of stand & top of belt is not convenient from maintenance point of view. In our opinion 1200 mm height is covenient. We request DVC to please confirm the same.	Revised drawing is attched.
10	Vol. II Sec-D.1.06	1.09.08 / Page 6 of 18	All the pulleys shall be mounted on the forged steel shafts of EN-8 or equivalent material of adequate proportion by taper lock arrangement, running in heavy duty roller bearings with proper greasing arrangement.	Since the two clauses are contradictory, Bidder requests DVC to please clarify which clause is to be followed .	As per Tech.Spec
		1.09.12 / Page 6 of 18	For all underground Conveyor Pulley shall be preferably split type bearing. Shafts shall be keyed to hubs and supported by heavy duty, ------.		

11	General		Co-efficient of friction for calculating the power requirement for conveyors not envisaged in Tender documents.	As per IS / ISO Standard artificial coefficient of friction for calculating the power requirement for conveyors generally should be in range of 0.020 to 0.03.We request DVC to please confirm the coefficient of friction to be considered.	As per CEMA
12	Vol II Sec -D-3.01	Cl. 1.01.00	Bituminous surfaced (3.75M wide) access road to various CHP buildings & all other civil and structural works associated with CHP.	Since the two clauses are contradictory Bidder request DVC to please clarify the width of road around Track Hopper Structure to be considered.	4.0 M wide bituminous road with drain(both side of track hopper) shall be provided as shown in tender drawing.
		Cl 4.01.00	4.0 M wide bituminous road with drain(both side of track hopper) shall be provided as shown in tender drawing.		
13	Vol II Sec -D-3.01	Cl. 1.01.00	Bituminous surfaced (3.75M wide) access road to various CHP buildings & all other civil and structural works associated with CHP.	Since the two clauses are contradictory Bidder request DVC to please clarify the width of road to be considered around CHP Area.	All the roads in CHP area should be 7.5M(double lane) and 4.0 M (single lane) wide, 4.0M wide access road shall be provided . All other road except access road shall be 7.5M wide.
		Cl. 28.01.00	All the roads in CHP area should be 7.5M(double lane) and 4.0 M (single lane) wide,		

14	Vol II Sec -D-3.01	Cl. 28.01.00		Bidder requests DVC to provide clarification regarding battery limits of roads to be considered in CHP Package.	See the revised layout drawing for your reference.
15	Vol II sec-C2	Cl. 2.04.03		We shall consider, Site Grading & Levelling as required within 5.0 M all round the CHP Structures, limited to maximum level variation of (+) or (-) 500 MM with respect to required level in CHP Area.We request DVC to please confirm if our understanding is correct.	As per Tech.Spec.
16	Vol II Sec -D-3.01	Cl. 6.00.00		We shall consider removable type conventional shuttering for casting of all RCC floor & Roof slabs in transfer points & crusher house. We request DVC to please confirm the same.	As per Tech.Spec.
17	Technical Specification Volume – II, Section-D-3.01 (CHP CIVIL & STRUCTURAL WORKS)	Cl.4.01.00	Track hopper, Wagon Tippler with machinery hatches …. Shall be of structural steel shed covered with permanently colour coated profiled steel sheets.	We request DVC to please confirm whether Shed over Wagon Tippler is in Bidder's scope or Client scope.	Shade over the Wagon Tippler is in Bidders scope.
	Technical Specification Volume – II, Section-C.2	Cl.2.01.02	Underground RCC track hopper, underground wagon … including over ground structural shed for entire length of track hopper …		
18	Technical Specification Volume – II, Section-C.2	Cl.2.02.01	Underground wagon tippler hoppers, underground Track Hoppers, underground/partially underground transfer point TP-15, TP-16 & TP-17, …	We understand TP-15, TP-16 ,TP-17 is completely of RCC and there is no steel shed over it.We request DVC to please confirm if our understanding is correct.	As per Tech.Spec.
19	Technical Specification Volume – II, Section-D-3.01	Cl.4.03.00 & Cl. 4.04.00	Adequate steel doors & windows for proper natural lighting and ventilation shall be provided.	We shall consider 10% of floor area as Window area and 10% of floor area as Translucent sheet area for all Transfer Houses, Crusher House.We request DVC to please confirm the same.	As per Tech.Spec.
20	Technical Specification Volume – II, Section-D-3.01	Cl.4.01.00	Track hopper, Wagon Tippler with machinery hatches …. Shall be of structural steel shed covered with permanently colour coated profiled steel sheets.	We shall consider only 10% of floor area as Window area for shed over Trackhopper and wagon tippler with machinery hatches for natural lighting and ventilation without translucent sheet.We request DVC to please confirm the same.	As per Tech.Spec.
21	Technical Specification Volume – II, Section-D-3.01	Cl.13.01.00	1.0) The Steel structures shall be designed and fabricated as per 'code of practice for use of structural steel in general building construction', IS:800 (Latest) 2.0) Load combinations : vi) 0.75 (DL+LL+PL+Equip+/-+/-TL) ….	We understand that all Steel Structures shall be designed as per IS:800-2007 - Section- 11 (Working Stress Method).We request DVC to please confirm if our understanding is correct.	As per Tech.Spec.
22	Technical Specification Volume – II, Section-D-3.01	Cl.4.03.00	Transfer Houses: …. Lower portion of side cladding for a min Ht. of 0.9m above finished floor level shall be one brick thick wall…	Please note for tall transfer house side cladding shall be provided till bottom most working floor only. We request DVC to please confirm if our understanding is correct.	As per Tech.Spec.
23	Technical Specification Volume – II, Section-C.2	Cl.2.02.04	Conveyor 22A/22B (TP-22 to TP-23), 23A/23B and Bunker Conveyor BC-1/BC-2 and BC-3/BC-4 in the bunker buildings complete with conveyor supporting structures, …	Conveyor Galleries & supporting trestles of Conveyor 22A/22B (TP-22 to TP-23), 23A/23B and Bunker Conveyor BC-1/BC-2 and BC-3/BC-4 in the bunker buildings are in Client Scope. We request DVC to please confirm if our understanding is correct.	Bunker Conveyor BC-1/BC-2 and BC-3/BC-4 in the bunker buildings are in Bidders's Scope.

24	Technical Specification Volume – II, Section-C.2	Cl.2.03.01.09	Conveyor walkway inside TP-22, TP-23, TP-24 and TP-25 along with supporting structures shall be in conttractor's scope,	Conveyor walkway runner and chequered plate only will be in Bidder's scope. Floor for supporting the conveyor is not in Bidder's scope. We request DVC to please confirm if our understanding is correct .	As per Tech.Spec.
25	Technical Specification Volume – II, Section-D-3.01	Cl.27.02.01	Mild Steel: (d) Structural Pipes inclusive of handrail shall conform to medium grade of Yst 240 of IS:1161.	(a)We request DVC to kindly confirm the usage of tubular steel sections for all structural members in Houses, Conv. Gallaries & trestles and Cable galleries & trestles. The tubular steel section shall be of circular/rectangular/square shape. The circular steel tube shall conform to IS:1161 and rectangular/square steel sections shall confirm to IS:4923. (b) We prefer to use grade of YST310.	As per Tech.Spec.
26	General		Purlins and Side Runner.	We request DVC to please confirm whether we can use cold form sections for purlins and side runners. Design calculations shall be as per AISI 1996 (LRFD) or as per EN 1993-1-3-2006.	As per Tech.Spec.

27	Technical Specification Volume – II, Section-D-3.01 Annexure-B		k1 factor is given as 1.07.	We request DVC to please confirm if we can we use k1 = 1.0 in place of 1.07 as plant life is 30 yrs .	As per Tech.Spec.
Bidder-2					
Sl.No.	**Vol / Sec**	**Clause No.**	**Subject**	**Query**	**DVC's reply**
1	Vol II, Section-C.2	1.00.00/ 3 of 38	If during the execution of works it is found that there is interference with the existing facilities / structures, the contractor shall revise his design / detailed drawings to clear the interference and shall provide all necessary measures for the safety of existing structures. No claim in terms of cost or relaxation in time shall be entertained for any redesign, rework and for safety measures provided. If at any stage of work, any dismantling or modification or relocation of any existing facility is required to be done to complete the work in bidder's scope and which has been agreed by the Employer, the same shall be done by the bidder at no extra cost or time implication to the Employer. All such changes will be as per drawings and work plan approved by the employer.	Bidder shall take care of the interference with existing facilites/ structures as per the drawings available in the tender. However during execution of work any dismantling or modification or relocation of any existing facility (underground & above ground) will be carried out by the bidder at extra cost.	**As per Tech.Spec.**
2	Vol II, Section-C.2	2.01.02/11 of 38	(i) One no Track Hopper along with four Paddle feeders (PF-1A,/1B and PF-2A/2B) shall be provided to unload coal from BOBR Type wagons. Two paddle feeders receiving coal from Track Hopper shall drop coal on to either conveyor BC -15A or conveyor BC -15B. Paddle feeder shall each be of 1200 MTPH capacity. The rated capacity of each conveyor in coal handling plant shall be 2200 MTPH except the conveyor used for interconnection from the exiting CHP of Phase-I shall be of 1600MTPH.	Each paddle feeder having 1200MTPH capacity as specified. Then the consolidated capacity of the conveyor 15A/15B shall be of 2400mtph. Please clarify?	Each paddle feeder shall be of rated 1200MTPH capacity and Design 1320TPH .
3	Vol II, Section-C.2	2.01.02/12 of 38	iv) "……Two numbers Belt Scale (Belt Weigher) shall also be provided, one each on Conveyor BC-16A and BC- 16B for measurement of coal flow rate.	As per flow diagram dwg no: 9586-109-POM-F-001, belt scale is shown on conveyor BC-15A/15B,. Please clarify?	Belt Scale shall be at Conv.16A/B
4	Vol II, Section-C.2	2.01.02/13 of 38	vii)"-----. Conveyor BC-24 shall also feed the coal after regulating the flap gate of Conveyor BC-24(FG- 26) at TP-19 to conveyor BC -25(1600TPH max) and balance coal to yard Conveyor RYC-2 for stacking coal.	To regulate the flow of material form conveyor BC-24, FLS suggests motorized flow divider (FG-26) at the discharge of BC-24. Please confirm.	motorized flow divider may be considered.
5	Vol II, Section-C.2	3.02.00/35 of 38	a) The Coal delivered to the power station shall be of size 300 mm & below. However occasionally 1-2% coal of 400 mm lump size may also be encountered.	Please confirm the lump size of incoming coal	The Coal delivered to the power station shall be of size 300 mm & below. However occasionally 1-2% coal of 400 mm lump size may also be encountered.
		2.01.02/12 of 38	iv) "-------Coal sampling unit (CSU-1) shall be provided to sample the coal of (-) 250mm size inside the Crusher House on Conveyor BC-16A/B.		

6	Vol II, Section-D 1.1	2.01.01/2 of 33	Belting and pulleys: (c) For Pulley, following minimum parameters shall be followed: (1.) Shell thickness : 20 mm (Min.) (2.) End disc plate thickness : 30 mm(Min.)	Please confirm the right specification	Belting and pulleys: For Pulley, following minimum parameters shall be followed: (1.) Shell thickness : 20 mm (Min.) (2.) End disc plate thickness : 30 mm(Min.)
	Vol. II, Section-D.1.06	2.6.1/14 of 18	General (for all types of Pulleys) (i) Minimum shell thickness 16 mm (ii) Minimum end disc thickness 24 mm		
7	Vol. II, Section-D.1.05	1.02.04/1 of 8	Complete chute work above the drive floor for conveyors provided with 'In-line belt magnetic separators' shall be of 20 mm thick SS - 304 in the zone of magnetic field.	Please confirm the right specification	Complete chute work above the drive floor for conveyors provided with 'In-line belt magnetic separators' shall be of 20 mm thick SS - 304 in the zone of magnetic field.
		2.1.2/5 of 8	In the zone of magnetic field of ILMS (chute above floor over which ILMS is suspended)- SS-304 10 mm thk.		
8	Vol. II, Section-D.1.06	1.12.04/9 of 18	The conveyors shall be provided with continuous decking plate of minimum 3 mm thickness plain steel sheet.	Is it really required to provide the continuous decking througout the conveyor length? Shall we provide it at feeding and discharge end of the conveyor?	As per Tech.Spec.
9	DRG NO: 9586-109-POM-F-003	Rev.1	Profile of BC-16A/16B	Length after TP-16 shown as 2200000. i.e, 2200m. We envisage that it may be 220m. Please review the length and confirm.	Belt length is 220 mtr envisage

GENERAL

Sl.No.	Vol / Sec	Clause No.	Description	Query	DVC's reply
1	-	-	Sieve analysis	To select the proper size of crusher and screen sieve analysis or PDS is required. Please furnish it?	will be provided to sucessfull Bidder
2	-	-	MOC: Liners	To the less inventory view, FLS suggested that liners at all impact zones like chutes, skirtboards, transfer chutes, flap gates, etc. shall be of 20mm thick sailhard/tiscral. Please confirm.	As per Tech Spec.
3	-	-	Service air	Detailed specification for service air system is not provided elsewhere in the tender. Please furnish it	During detail engineering

COMMERCIAL

Sl.No.	Vol / Sec	Clause No./Page No.	Description	Query	DVC's reply
1	Volume I	Section-II, ITB-8.3 (f) /Page 10 of 32	Attachment -6A, Certificate regarding acceptance of Important conditions	We request Bidder shall be allowed to take deviations to these clauses as well. ITB should be amended and accordingly bids shall not be rejected. The clause which does not have any cost impact shall be modified in line with the agreed clause.	As per NIT documents.
2	Volume I	Section- II, ITB-29.0 /Page 25 of 32	Signing the Contract Agreement	Please specify the timeline for signing of the contract after issue of notification of award.	After acceptance of NOAs by the Contractor, submission of Performance BGs & their acceptance of DVC and finalisation of contract agreement as per the NIT documents.
3	Volume I	Section- II, ITB-30.2 / Page 25 of 32	Performance Security	Please check/ modify the reference of clause 31 and 32.	As per NIT documents.

4	Volume I	Section-III (GCC) Clause No 6.1.1, 6.1.2 and 6.1.3/Page 11 of 63	Dispute Resolution	We request to delete the requirement of Adjudication. Please modify the clause by incorporating the following provision: "If the Parties fail to resolve the disputes by mutual consultation, then the disputes shall be referred to an arbitration panel of three arbitrators. Each Party shall appoint one arbitrator and the two appointed so appoint the third presiding arbitrator."	As per NIT documents.
5	Volume I	Section-III GCC-13.2.1, Appendix-2/Page 20 of 63,	Advance Payment Security and Advance Payment	We request for release of an interest free advance payment to the Contractor against submission of Advance Bank Guarantee (ABG) of equal value of contract price in mutually agreed format.The second 5% of the contract price shall be paid against submission of basis engg. drawings.	As per NIT documents.
6	Volume I	Section-III GCC - 15.1/Page 23 of 63,	Copy right	Kindly amend in line with below mentioned para incorporating the following provision in the bidding document covering Contractor's Intellectual Property rights as below: "Any and all intellectual property rights and copyrights of all drawings, designs, documents and information supplied by the Contractor, shall at all times rest with the Contractor and this contract shall not in any way transfer any of the Contractor's such intellectual property rights to any third party."	As per NIT documents.
7	Volume I		Commissioning and completion of the facilities	Clause 24.4 does not address about the delays in commissioning in case of delay by the Employer. We request to address the same.	As per NIT documents.
8	Volume I	Section-III GCC -25.2/Page 38 of 63	Guarantee Tests & Operational Acceptance	Guarantee Test and Operational Acceptance -long stop date to carry out PG Test is 12 months from the date of completion of Facility. We request to limit the time period to carry out the PG test within 6 months from the date of completion of Facilities. Please also confirm that "In case the Employer fails to fulfil its obligations towards Commissioning or PG Test, the system shall be taken over by the Employer".	As per NIT documents.
9	Volume I	Section-III GCC -27.2, and 27.8.1 /Page 40 and 42of 63	Defect Liability	27.2:We request Defect Liability Period to also be linked with the supply of Equipment and Effective Date of Contract. 27.8.1:We request for deletion of contractor's liability for latent defects.	As per NIT documents.
10	Volume I	Section-III GCC -28.3, Section -VI, Appendix-8, clause 3.03.00 /Page 43 of 63; Page 63 of 92	Functional Guarantee	We request LD for shortfall in performance shall be capped at 5% of the Contract Price. The combined cap for LD for delay in completion and short fall in performance shall be limited to 10% of the Contract Price.	As per NIT documents.
11	Volume I	Section-III GCC -30.1 / Page 44 of 63	Limitation of Liability	(a) Disclaimer for Consequential damages also shall not have any exception for criminal negligence or willful misconduct and payment of liquidated damages. (b) We request the Contractor's Maximum Aggregate liability under the Contract to not exceeding 25% of the total Contract Price and this liability cap shall not have any exception towards criminal negligence or willful misconduct and indemnification against patent infringement by the Contractor	As per NIT documents.

12	Volume I	Article-3 of Form of Contract Agreement, Section-VI / Page 23 of 92	Effective Date for determining Time for Completion	Effective Date of Contract (EDC) shall be the date of the Notification of Award (NOA) subject to release of advance payment within 30 days of submission of the necessary documents by the bidder.	As per NIT documents.
13	Volume I	Terms of Payment, Appendix-1 of Section-VI / Page 27 of 92	Last Milestone Payment	We request the last 10% payment shall be released as below 5% of the Contract Price shall be released upon Commissioning and 5% of the Contract Price shall be released upon PG tests. In case the Employer partially take over or aceept the part of Facilities, the Eployer shall release the paymensts against Commissioning and PG Test for such taking over of the part.	As per NIT documents.
14	Volume I	Clause 3.00.03 of Appendix-8 and GCC-28.2 of Section VI / Page 63 of 92	Functional Guarantee	We Request the clause to be substituted by the following: If the contractor fails to achieve the performance guarantee parameters, the contractor shall make good the defective parts of the Plant to comply the Plant as per the technical specification.	As per NIT documents.

Bidder - 3

Sl.No.	**Vol / Sec**	**Clause No.**	**Description**	**Queries**	**DVC's reply**
1	Vol-II, Sec-C.2	Clause 2.02.25	Eight (08) Nos. Electronic Belt weighers complete with all mechanical, supporting arrangement, electrical, and accessories on conveyors BC-15A/15B, BC- 16A/B and BC- 21A/B and one on Conveyor BC- 26,Conv. BC -25.	Please confirm the number of Belt Weighers to be provided and the conveyors on which they must to be provided	Belt Scale, :- Minimum no. of Belt Weighers to be provided: Eight (8) + Two(2) one each at S/R
	Vol-II, Sec-C.2	Clause 2.02.26	Two (2) No. Electronic Belt weighers mounted one each on stacker/reclaimers complete with all mechanical, supporting arrangement, electrical, and accessories.		
	Flow Diagram		Belt Weighers are to be provided on BC-15A/15B, BC-18A/18B, BC-21A/21B , BC-25, BC-26 & On the Two Boom Conveyors.		
	Voll-II, Sec-D.1.08	Data Sheet Clause 2.4.2	Belt Scale, :- Minimum no. of Belt Weighers to be provided: Four (4) + Two(2) one each at S/R		
2	Vol-II, Sec-D.1.1	Clause 2.01.05	Stacker-cum-Reclaimer: Stacking/Reclaiming-Rated Capacity: 2200 TPH.	Please confirm the Design/Rated Capacity of the Belt Weigher on the Boom Conveyor	(i) BW-6 shall be suitable for max. capacity of Boom Conveyor at peack load.
		Equipment List in the Flow Diagram- S. No. 24	The Rated Capacity of Belt Weigher BW-06 (2 nos.) At Boom Conveyor is upto 1600 TPH.		
3	Vol-II, Sec-C.2	Clause 2.01.02 - (vi)	Each of the four (4) Roller Screen shall be of 1200 TPH guaranteed rated capacity.	Please confirm the Design/Rated capacity of the Roller Screen	(ii) Roller screen capacity is suitable for1200 TPH Rated & 1320 TPH Desig
		Equipment List in the Flow Diagram - S. No. 20	Roller Screen Feeder: Rated Capacity-1100 TPH.		
4		Equipment List in the Flow Diagram - S. No. 56	Quantity of Sump Pumps (1 A/B, 1 C/D, 2 A/B & 2 C/D) in the Track Hopper Complex is 04	Please confirm the quantity of sump pumps in the Track Hopper Complex	4 Nos W orking + 4 Nos Stand by

5	Vol-II, Sec-C.2	Clause 2.01.02 - (vii)	Conveyor BC-24 shall feed the crushed coal to the yard conveyor (RYC-2) for stacking the coal to the stock pile of RSR-2 . Conveyor BC-24 shall also feed the coal after regulating the flap gate of Conveyor BC-24(FG-26) at TP-19 to conveyor BC - 25(1600TPH max) and balance coal to yard Conveyor RYC-2 for stacking coal.	Please clarify whether there is a need for flow divider instead of flap gate because flap gate cannot regulate such a flow	Motorised Flow divider in place of Flap Gate.
6	CHP Layout Plan DRG NO. 9586-109-POM-F-002		The offset distance between the Centre Line of the Conveyors BC-25 and BC-27 is 20m(calculated from the co-ordinates given in the layout)	Please clarify the mismatch	Revised drawings attched.
	TP-19 in Conveyor Profiles DRG NO. 9586-109-POM-F-003 (SH 1 of 2)		Centre Line of the Conveyors BC-25 and BC-27 is coincident.		
7	CHP Layout Plan DRG NO. 9586-109-POM-F-002		Distance between the Centre Line of the conveyors BC-24 and BC-27 is 16.6m(calculated from the co-ordinates given in the layout)	Please clarify the mismatch	Revised drawings attched.
	G.A. of Crusher House DRG NO. 9586-109-POM-F-005		Distance between the Centre Line of the Conveyors BC-24 and BC-27 is 28.7m approx.		
8	Vol. II, Sec-D.1.05	Clause 1.02.04	Complete chute work above the drive floor for conveyors provided with 'In-line belt magnetic separators' shall be of 20 mm thick SS - 304 in the zone of magnetic field.	Please clarify the thickness of chute for ILMS at Non-Magnetic Zone.	Complete chute work above the drive floor for conveyors provided with 'In-line belt magnetic separators' shall be of 20 mm thick SS - 304 in the zone of magnetic field.
	Vol. II, Sec-D.1.05	Datasheet: Chutes & Hoppers 2.1.2	In the zone of magnetic field of ILMS (chute above floor over which ILMS is suspended), SS-304 10 mm thk. must be used.		
9	Vol. II, Sec-D.1.05	Clause 1.03.01	Suitable 'Skirt Plates' of minimum 3.5 meters length shall be provided at each feeding point of conveyor.	Please confirm the minimum length of the skirt board to be provided for conveyor feed point.	Suitable 'Skirt Plates' of minimum 3.5 meters length shall be provided at each feeding point of conveyor.
	Vol. II, Sec-D.1.05	Datasheet: Chutes & Hoppers 2.2.1	Length of Skirt Board- Minimum 3m for each feeding point.		
10	Conveyor Profiles DRG NO: 9586-109-POM-F-003 SH 2 of 2		Conveyors BC-1/2/3/4 have and inclination upto 16.21 deg.	Please confirm the maximum inclination that can be provided in the conveyors. Also, Please confirm the maximum inclination at the loading points in the conveyors	Conveyor inclination for pre crushed coal is 14 degree Max.and after crushed zone iw shall be 16 degree Max
11				Please furnish the G.A. of the Existing Junction House TP-3	
12	Vol-II, D.2.11	Clause No-7.12.05	Street poles	The scope and dimensions of street/road is required for calculation of street lamps. The required height of street poles are not mentioned anywhere.	The height of street poles should be 11 mtr.
13	Flow diagram (Drg no 9586-109-POM-F-001)		Metal detector	Placement of metal detector should be after ILMS in stream. Else system will get tripped everytime the metal particle comes from raw coal.	As per Tech Spec.
14	Vol-II, D.2.04	Clause No-7.02.02	Cable Routing	Cable routing is not clear. Please specify regarding the cable routing in gallery to be done in gallery walls or individual structures to be provided.	Please see VOL-II D2.04,Clause No. 4.03.02 & 4.03.04:- Cable routing shall be as stream wise through the cable trestle.

15	Vol-II, D.2.03		Electrical room layout	Electrical room layout required for civil construction purpose. Since neither MCC nor PLC of control room is in our scope, the layout is to be decided by M/S DVC.	Room layout & dimension/size depends on SWGR/Transformer & other Electrical equipments and SWGR/MCC is dependent on the feeder list which is under the bidder's scope.
16	Technical details of C&I System 1.01.01.A.7		CCTV Cables.	Please provide the details of CCTV camera used, since CCTV is in Employers scope and cable in bidder's scope.	CCTV is under employer scope .
17	Technical details of C&I System 1.01.01.A.1		Filed Instruments.	Please specify the names of the field instruments required for the Employer's CHP system since "all types of field instrument" do not set the scope and boundary of the types of instruments required.	Field inst. as per system requirement and as per spec.
18	Vol-II; Subsection D-3.01	Clause No:-4.01.00	Wagon Tippler/TH	We presume side cladding not required for wagon tippler and track hopper sheds.	As per Tech Spec.
19	Vol-II; Subsection D-3.01	Clause No:-4.02/03.00	TP/Crh house/Conv Gallery	Please confirm, whether we can design the building of space frame/Prefabricated structures.	As per Tech Spec.
20	Vol-II; Subsection D-	Clause No.-4.03.00	TP/CRH House	We presume side cladding required for floor with equipment only.	As per Tech Spec.
21	Vol-II; Subsection D-3.01	Clause No-4.02/03.00	TP/CRH house/Conv Gallery/Conv Gallery.	Please confirm whether we can use hollow steel section for TP, Crusher house, Conveyor gallery construction.	As per Tech Spec.
22	Vol-II; Subsection D-3.01	Clause No:-15.03.00	Disposal dumping yard	Please provide the distance of dumping yard from CHP area.	As per Tech Spec.
23	Vol-II; Subsection D-3.01	Clause No- 5.02 ; 3.01	sewage line	Please specify the terminal point for the sewage water line.	As per Tech Spec.
24	Vol-II; Subsection D-3.01	Clause No-4.05.00	stacker reclaimer foundation	Please clarify whether boulder paving to be done for coal stock or coal pitching.	As per Tech Spec.
25	Vol-II; Subsection D-3.01	Clause No-4.07.00	Pump House	Please clarify whether side caldding is required for pump house or not.	As per Tech Spec.
26	Vol-II; Subsection D-3.01	Clause No:-4.06.00	control / mcc room	Please provide us the tentative size of the MCC/Control Rooms for bid estimation, as the inside equipments are in scope of DVC.	Size of MCC room depends on HT/LT SWGR & other Electrical equipments which is dependent on the feeder list under the bidder's scope. However,after award of contracts to the successful bidder the same shall be furnished.
Bidder- 4					
Sl.No.	**Vol/Sec**	**Clause No./Page No.**	**Description**	**Queries**	**DVC's reply**
[A]CIVIL WORKS					
1	VOL – II Sec-D3.01,	CLAUSE NO. 4..05.00 Page 14 of 83	Only the portion between the two rails shall be paved in concrete as per specification for grade slab of ground level specified elsewhere in technical specification. Paving in Entire stockpile shall not be envisaged.	Please confirm / clarify.	As per Tech Spec.
2	General - Drainage		Drains between various structures / buildings and main plant drain shall be in the scope of bidder. However, all main plant drains shall be in the scope of DVC.	Please confirm / clarify.	As per Tech Spec.

3	General - Roads		Approach roads between various structures / buildings and nearest main plant roads shall be in the scope of bidder. However, all main plant roads shall be in the scope of DVC.	Please confirm / clarify.	As per Tech Spec.
4	Conveyor cross section drawing no. 9586-109-POM-F-004		Cable Gallery & Trestles	Conveyor cross section drawing no. 9586-109-POM-F-004 shows the cables routed through the conveyor galleries in trays. However the same are to be provided in independent cable galleries elsewhere. **Please clarify which is to be followed.** In case of separate cable gallery to be provided, we recommend will be using hollow sections for cable galleries and cable trestles as it will reduce the weight of structural steel. Please advice	As per Tech Spec.
5			Administrative buildings	All kind of administrative buildings shall be in the scope of DVC. Please confirm / clarify.	1000 Sq mtr double storied Adm building is in Bidders Scope
6	DRG. No. 9586-109-POM-F-003, Rev.1			Please confirm / clarify whether bidders can provide trestle between existing railway tracks, if required or not.	As per Tech Spec.
7	DRG. No. 9586-109-POM-F-002, Rev.0			We have observed that conveyor BC-18A/B is passing beyond the compound wall of plant. In that case, any kind of modification / relocation work shall be in the scope of DVC. Please confirm / clarify.	As per Tech Spec.
[B] MECHANICAL/STRUCTURAL WORKS					
1	VOL - II Sec-C.2,	Clause No. 2.02.13, Page 16 of 38		We understand that for Conveyor BC13A/B & BC3A/B Discharge Hood & Spouts are existing and we need to start the Chute work from the bottom of Sprout after the flap gate. Please confirm / clarify.	As per Tech Spec.
2	VOL – II Sec-C.2	Clause No. 2.03.01.09, Page 31 of 38		Both the clauses are contradicting to each other. Pl. check and clarify.	As per Tech Spec.
		Clause No. 2.03.02, Page 31 of 38			
3	Sec-C.2, VOL – II	Clause No. 2.02.32, Page 19 of 38	Dust Control System	The Dust Control system Bunker bay in all four clauses specified here is contradictory. Kindly confirm whether dust extraction system only in Crusher house for Roller Screen & Belt feeder or considered bunker floor for the same.	Buker floor only Exaust fan has been considered.
	Sec-C.2, VOL – II	Clause No. 2.02.34, Page 19 of 38			
	Sec-D.1.1, VOL – II				
	Sec-D.1.09, VOL – II	Clause No. 1.05.11.2, Page 7 of 21			
4	Sec-D.1.02, VOL – II	Clause No. 1.02.03, Page 1 of 7		Requirement is step less hydraulic drive for Paddle Wheel. However, We offered Hydraulic Power Pack unit to Hydraulic motor with Geared coupling and Gear Box. Please confirm.	As per Tech Spec.
	Sec-D.1.02, VOL – II	Clause No. 2.02.01, Page 6 of 7			
5	Sec-D.1.02, VOL – II	Clause No. 1.02.03, Page 1 of 7		We shall offer Two speeds type Geared Motor with inbuilt brake which would be economical and proven	As per Tech Spec.
6	Sec-D.1.02, VOL – II	Clause No. 1.02.00, Page 1 of 7		In the NIT specification not mentioned of slot sealing arrangement for Paddle Feeder. Please clarify.	As per Tech Spec.

7	Sec-D.1.05, VOL – II	Clause No. 1.03.01, Page 3 of 8		The skirt board length shall be provided at each feeding point of conveyor. Kindly confirm whether the length of Skirt board to be considered as 3.0 meter or 3.5 meter.	The skirt board length shall be provided at each feeding point of conveyor.the length of Skirt board to be considered as 3.5 meter.
	Sec-D.1.05, VOL – II	Clause No. 2.2.1, Page 6 of 8			
8	Sec-D.1.06, VOL – II	Clause No. 1.02.04, Page 2 of 18		The drive margin over BKW specified in all the four clauses specified here is contradictory. Kindly confirm whether the drive margin to be considered as 1.1 or 1.2.	The drive margin over BKW is to be considered as 1.2.
	Sec-D.1.06, VOL – II	Clause No. 1.11.01, Page 8 of 18			
	Sec-D.1.06, VOL – II	Clause No. 2.8.3, Page 17 of 18			
	Sec-D.1.07, VOL – II	Clause No. 1.1.0 a), Page 3 of 5			
9	Sec-D.1.06, VOL – II	Clause No. 1.05.03, Page 3 of 18		We have considered Sieze resistant type bearing for all type of Idlers.	As per Tech Spec.
	Sec-D.1.06, VOL – II	Clause No. 2.2.3, Page 13 of 18			
10	Sec-D.1.06, VOL – II	Clause No. 1.09.12, Page 6 of 18		As per our design analysis, no split bearing is required in this project. Conventional bearing can be provided. Please confirm / clarify.	As per Tech Spec.
11	Sec-D.1.19, VOL - II	Clause No. 3.05.00, Page 2 of 11		Travel speed is not mentioned in the NIT specs. And hence we shall be provided travel speed of 1.5 m/min to 15 m/min (Variable through VVVF Panel) based on past various projects already executed.	As per Tech Spec.
12	Sec-D.1.19, VOL - II	Clause No. 3.18.00, Page 4 of 11		In the NIT Specification, it has not specified at which point centralized group lubrication is to be provided and hence we shall be provided centralized group lubrication system for rail travel mechanism and slewing mechanism. Please confirm.	As per Tech Spec.

13	Sec-D.1.19, VOL – II	Clause No. 3.22.00, Page 5 of 11		Slew speed is not mentioned in the NIT specs. and hence we shall be provided slew speed of 6 m/min to 30 m/min (Variable through VVVF Panel) based on past various projects already executed.	As per Tech Spec.
14	Sec-D.1.19, VOL – II	Clause No. 4.05.00, Page 6 of 11		We shall be provided slew bearing with 3 rollers instead of double roll roller type.	As per Tech Spec.
15	Sec-D.1.19, VOL – II	Clause No. 4.07.00, Page 6 of 11		We shall be provided RCC Slab type counter weight and hence Boxes for placing would not be applicable for our machine.	As per Tech Spec.
16	Sec-D.1.19, VOL – II	Clause No. 4.12.00, Page 7 of 11		In the NIT specification, the type of CRD is not specified and hence we shall be provided parallel CRD (Power & Control) with "CONTORQUE UNIT" based on past various projects already executed.	As per Tech Spec.
17	Sec-D.1.20, VOL – II	Clause 4.05.01, Page 4 of 8		Please clarify type of Drive to be considered i.e. Direct Hydraulic type or Hydraulic Drive with Gearbox.	As per Tech Spec.
	Sec-D.1.20, VOL – II	Clause 2.2.8, Page 8 of 8,			
18	Sec-D.1.21, VOL – II	Clause 4.00.00, Page 2 of 2		We have offered Apron feeder having Electro Mechanical drive having Counter shaft arrangement with Spur Gear Wheel & Pinion.	As per Tech Spec.
19	Sec-D.1.22, VOL – II	Clause 4.07.01, Page 2 of 4		Please clarify type of Drive to be considered i.e. Direct Hydraulic type or Hydraulic Drive with Gearbox.	As per Tech Spec.
	Sec-D.1.22, VOL – II	Clause 2.4.1, Page 4 of 4			
20	DRG. No. 9586-109-POM-F-002, Rev. 0 CHP-Layout Plan			Please clarify inhaul and outhaul direction for Wagon Tippler.	Layout in Auto cAD is attched.
21	Drawings.			Please provide Auto-cad format of layout along with railway routes.	Layout in Auto cAD is attched.
[C] ELECTRICAL AND INTRUMENTATION WORK					
1	Drg No 9586-109-POE-P-001 , Key SLD Electrical for Coal Handling Plant			As per Drg No 9586-109-POE-P-001 , Key SLD Electrical for Coal Handling Plant:- LT Switchgear, HT Switchgear, HT and LT transformer, Bus duct are in scope of purchaser except for Stacker Reclaimer. Also note that Civil / structural of these sub station are in scope of bidder. In view of above kindly furnished us tentative dimension of equipment, which are supplied by purchaser. So, we can able to basic design of sub station room.	Feeder lists are required for sizing (design) of HT/LT.Transformers, HT/LT SW.GR/ MCCs, HT/LT. BUSDUCTS as per requirement of CHP system which is under the CHP bidde's Scope. However,after award of contracts & after receipt of feeder list from the successful bidder the same shall be furnished. Further, the size of substation shall depend on the feeder list plus applicable spare feeders, incomer,bus coupler and applicable clearance etc.
2	Sec-D2.01, VOL – II	Clause no 1.1, Page 1 of 3		In Drg No 9586-109-POE-P-001, Key SLD Electrical for Coal Handling Plant, 11 KV Switchgear is in Employer scope of work and IN Electrical system concept is in CHP Bidder Scope, Please Clarify.	ALL HT. SWGR, HT/LT Transformers, LT MCCs, HT & LT.Busducts are in the scope of Employer. But in this clause 1.1, the concepts of Electrical System are stated (not the scope of supply).
3	Sec-D2.01, VOL – II	Clause no 1.2, Page 1 of 3		In Drg No 9586-109-POE-P-001 , Key SLD Electrical for Coal Handling Plant , 415 V Switchgear is in Employer scope of work and IN Electrical system concept is in CHP Bidder Scope, Please Clarify.	This electrical subsection D2.01,VOL-II only speaks here the concepts of Electrical system(not the scope of supply).
4	Sec-D2.01, VOL – II	Clause no 1.3, Page 1 of 3		In Drg No 9586-109-POE-P-001, Key SLD Electrical for Coal Handling Plant, Stacker Reclaimer machine HT VCB Panel in Employer scope of supply, and as per specification is in CHP Bidder scope of supply.	This electrical subsection D2.01,VOL-II only speaks here for the concepts of Electrical system,not the scope of supply.

5	Sec-D2.01, VOL – II	Clause no 1.4, Page 1 of 3		In Drg No 9586-109-POE-P-001, Key SLD Electrical for Coal Handling Plant, WT /TH LT MCC is in Employer scope of supply, and as per specification is in CHP Bidder scope of supply. Please clarify	This electrical subsection D2.01,VOL-II only speaks here for the concepts of Electrical system(not the scope of supply).
6	Sec-D2.01, VOL – II	Clause no 1.7, Page 1 of 3		Cable shall be routed trough TP-21 on wards on Cable gallery only. We have not considered separate Cable trestle for Bunker building.	Please see the Electrical Terminal Points, Sec-C.2, Clause no.-2.03.09,sl.no. 7a , 7b & 8 . Employer shall provide only pipe cum cable trestle/rack between TP-22,23,24 and 25. However, Cabling system from nearest point of this trestles to bunker floor is in the bidder's scope. Cable route from TP-21 to TP-22 shall be through separate cable trestles and is in the bidder's scope.
7	Sec-D2.01, VOL – II	Clause no 1.7, Page 1 of 3		Cable shall be routed trough TP-21 on wards on Cable gallery only. We have not considered separate Cable trestle for Bunker building.	Repeat query
8	Sec-D2.01, VOL – II	Clause no 2.0, Page 3 of 3		Which type of system considered by Bidder for Fire Protection and detection system, Please clarify.	Fire system for CHP is under the Employer Scope and deiails shall be provided during detail Engg,but bidder shall keep adequate Space in the CHP C/R for erection of fire fighting Equipts, panels , Hardwares etc and Bidder shall provide one(01) no. 300 mm. cable tray also all along the entire CHP plant including all elect. S/S etc. for employer's Fire Fighting system & Fire detection and Alarm system. (Please see the Cl. no.- 2.0 (page 3 0f 3) of Vol-II, SEC-D2.01)
	Sec-D2.02, VOL – II	Clause no 1.2, Page 5 of 10			
9	Sec-D2.01, VOL – II	Clause no 2.2, Page 3 of 3,		Please indicate the Distance between CHP Phase-II control room located at MCC-4 near CRH & CHP Phase-I Control room (Location not identify).Please clarify.	Please see the PLOT PLAN.
10	Sec-D2.03, VOL – II	Clause no 1.25, Page 4 of 6		Please indicate the Distance between CHP Phase-II control room located at MCC-4 near CRH & CHP Phase-I Control room (Location not identify).Please clarify.	Please see the PLOT PLAN.
[D]COMMERCIAL TERMS AND CONDITION					
1	Section-III, GCC	Clause no. 14, Sheet 22 of 63,		Please clarify whether the taxes on items to be supplied from our sub-vendors shall be paid by DVC extra as per value specified in Taxes or the same to be borne by Contractor.	Please read clause no. 14 of GCC in totallity.
2	Section-IV, GCC	Clause no. 27.2, Sheet 40 of 63		The defect liability period should be 18 Months from date of completion of Commissioning of the system OR 12 Months from the date of completion of PG test whichever is earlier.	As per NIT documents.
3	APPENDIX-1, TERMS OF PAYMENT			The advance payment of first 5 % should be released against said conditions and the second 5 % should be released against approval of design and engineering. The advance payment should not be interest bearing. Kindly comment / confirm.	As per NIT documents.
4	APPENDIX-1, TERMS OF PAYMENT			The last 10 % payment shall be released within 60 Days maximum if the PG test gets delayed due to the reasons attributable to DVC.	As per NIT documents.
5	Sr. no. 3.03.00, Cl. No. B, Liquidated damages, Appendix-8			The maximum liability towards liquidated damages for Functional guarantees should be limited to MAXIMUM 10 %. Kindly confirm the same.	As per NIT documents.
[E]GENERAL					

1	Vol.-I, Section-I, IFB	Clause no. 6.0, Page 9 of 14		We understand the project has been certified by GOI as Mega Power Project and hence we understand that M/s. DVC shall provide the contractor the Project Authority Certificate for availing this benefits of tax exemption in Excise duty as well as Customs Duty. We understand that that PAC shall be available in the name of contractor as well as for their sub-contractors also	Project Authority Certificate will be issued by DVC in terms of the foreign trade policy/customs acts & Notifications/Excise acts & notifications of Govt. Of India.
Bidder - 5					

Sl.No.	Vol/Sec	Clause No./Page No.	Description	Queries	DVC's reply
1	Section I	9.0/ page-12 of 14	The Bid shall be processed through e-procurement system of DVC. For this the Bidders, having Class-III Digital Signature are required to be registered at www.tenderwizard.com/DVC. Bidders not having the Digital Signature, have to obtain digital signature (Class-III) for participating in DVC e-procurement portal at their own cost from any of the authorized agencies of CCA (Controller of Certifying Authorities) or through service provider of M/s. ITI Ltd.	If SPCL(or any company) who shall participate along with any overseas company with overseas company as Lead bidder, but overseas company shall get only Class II digital signature. Whereas associating companies shall have class III digital Signature. So the associating companies like SPCL who shall have class III digital signature should be able to use it certificate or Lead Bidder if an overseas company should be allowed to participate with Class II digital Signature. Amendment required in Section I of tender documents	Class III Digital Signature is mandatory for our etender portal, the instruction has already available in website.
2	Section I	Page 13 of 14	It is further mentioned that M/s. ITI Limited's representatives are available personally at Help Desk at DVC Towers, MM Department, 3rd Floor, Kolkata-54, India during the office hours and for any queries they may please be contacted at Mobile No. 91-8981675263 and 91-011- 49424365 on 7x24 hours basis.	This is to inform that the mobile no indicated in the tender document is not valid and is not working. 91-8981675263 This information is hence invalid and requires to be changed or omitted.	Kindly take this number for e-tender helpdesk-9331503377/9681456248
3	Section V	5.00.00-INSPECTION, TESTING AND INSPECTION CERTIFICATES	The Employer shall have the right to reinspect any equipment though previously inspected and approved by him at the Contractor's works, before and after the same are erected at Site. If by the above inspection, the Employer rejects any equipment, the Contractor shall make good for such rejections either by replacement or modification/ repairs as may be necessary to the satisfaction of the Employer.	This is an unconditional and open ended clause. Not practical	As per NIT Docoments.
4	Section V	6.01.00 ACCESS TO SITE AND WORKS ON SITE	Suitable access to site and permission to work at the Site shall be accorded to the Contractor by the Employer in reasonable time	What is the definition of reasonable time. Kindly indicate the time frame as this matters in contract formation.	Site is available
5	Section V	11.03.00 PHOTOGRAPHS AND PROGRESS REPORT	The Contractor shall submit the progress of work in video cassettes (2 copies) quarterly highlighting the progress and constraints at site.	Video Cassettes are obsolete and cannot be submitted. It can be done in CD/DVD. Kindly amend suitably.	CD/DVD is acceptable
6	Section V	13.00.00 PROTECTION OF WORK	The Contractor shall have total responsibility for protecting his works till it is finally taken over by the Employer.	It should be applicable only till submission by contractor the commissioning certificate. Contractor should not be not be responsible/ penalized for undue delay in taking over by employer.	As per NIT Docoments.

7	Section V	27.00.00 PAINTING	Afterwards, the above parts shall be finished painted with three coats of allowed resin machinery enamel paints. The minimum thickness of paint film shall not be less than 100 microns. The quality of the finish paint shall be as per the standards of Bureau of Indian Standards (BIS) or equivalent	Should it be 2 coat primer + 1 coat finish or 1 coat primer and 2 cat finish. Should be specified	AS per Tech.Spec.
8	vol.II,sec-D,1.06	, page 2 of 18,clause 1.01.00,	CODE & STANDARD where IS:11592 can be used for Design of Conveyor System. Again, as per vol. II, sec-D, 1.06,page 2 of 18,clause No.1.02.07,Belt Conveyor system shall be designed	This is contradicting, SPCL proposes the "Belt conveyors System" as per IS :11592 of latest edition.	CEMA will follows

Bidder - 6

Sl.No.	Vol/Sec	Clause No.	Description	Queries	DVC's reply
GENERAL					
1	Vol-II, Sec C.2 Page 3 of 38		(i) The sizes of various…….cost to the employer	We understand that the levels of floors can be changed to optimize the designs keeping overall dimension of the building unchanged. Kindly clarify.	AS per Tech.Spec.
MECHANICAL					
2	9586-109-POM-F-006			Please indicate the holding capacity of track hopper.	Minium 6000 MT
3	9586-109-POM-F-003 sheet 1 of 2			Please indicate whether EOT crane shown in WT building is in bidder's scope or not. Please indicate capacity of this EOT crane.	Capcity will be decided to lift the maximumm weight of the equipment under EOT
4	9586-109-POM-F-003 sheet 1 of 2			Please indicate whether yard conveyor RYC-1/2 will have drive at both end. Please also confirm whether these drives will be 2X100% or 2X60%.	Drive at both end. and these drives will be 2 X 100%
5	9586-109-POM-F-001		Roller Screening feeder in Crusher House	We propose to provide Vibrating Grizzly Feeder in place of Roller Screen. Kindly confirm your acceptance.	As per Tech Spec.
6	9586-109-POM-F-003 sheet 1 of 2			Please indicate sizes of buildings TP- 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, DH-1 and 2.	The size shown in Drawings is Minimum .
7	9586-109-POM-F-001			Please indicate co-ordinates for TP-16, 18, 21, 22, 23, 24 and 25.	Layout in Auto cAD is attched.
8	9586-109-POM-F-001 and 9586-109-POM-F-003 sheet 1 of 2			As per flow diagram Coal Sampling system has been shown in TP-21 but the layout of TP-21 does not indicate sampling system. Kindly clarify.	CSU in TP-21
9	9586-109-POM-F-003			We presume trippers will have flap gates and the total qty. of flap gates shall be 32 instead of 28. Kindly confirm.	During the detail Engineering
CIVIL					
10	Vol-II, Sec D-3.01 Page 18 of 83		Drainage System	Please confirm whether coal slurry settling pond is in bidder's scope or not.	It is in Bidder's Scope
STRUCTURAL					
11	Vol-II, Sec D-3.01 Page 11 of 83			Please confirm whether bidder can use hollow section for Gallery, Trestles and other structures.	As per Tech.Spec.
GENERAL					
12	Vol.I Sec-VI, BFP Page 56 of 92			We request client to provide construction Power and Water free of charge.	As per NIT Docoments.

13	Vol.I Sec-VI, BFP Page 27 of 92			We request client to kindly consider 15% interest free advance on schedule-2 for smooth execution of contract.	As per NIT Docoments.
Bidder - 7					
Sl.No.	**Vol/Sec**	**Clause No./Page No.**	**Description**	**Queries**	**DVC's reply**
1	Vol-I, Sec-VI,BFP, Appendix-6	Clause-6 / Pg 57 of 92	Contractor shall make all arrangements himself at his own cost for the supply of construction water ……..at the work site	Refer to the clause kindly give us the following details (i) Regarding portable water availability of water table from the ground level if the same to be arranged by bore well. (ii) Regarding Construction water source of water nearest to the site.	Preliminary Soil Report is avalable in NIT document.
2	Vol-I, Sec-VI,BFP, Appendix-6	Clause-2 / Pg 56 of 92	Electricity-Construction Power	Electricity rate for construction power.	As per ref scope of work,electricity will be provided as per prevailing rate of WBSEB supply.
3	Drg No-9568-109-POM-F-002, CHP LAYOUT PLAN		Co-ordinate of Transfer tower like TP-21, TP-22, TP-23, TP-24.	i) Co-ordinate of all those TP's is not available from the layout plan neither the length are given in the conveyor profile (Drg No 9568-109-POM-F-003). ii) Length of conveyor BC-15A/B below track hopper from MH-2 to TP-15 not available. iii) In the plot plan drawing co-ordinates of certain TP's are not available. In that case we have considered conveyor length as shown in conveyor profile (Drg No 9568-109-POM-F-003). We request you to forward us the Autocad drawing of Plot plan drawing for getting the exact length.	Layout in Auto cAD is attched.

4	Drawing no 9568-109-POM-F-006-GA of Track Hopper			As per sectional elevation of track hopper depth of hopper shown as (-)17.300mtr. However as per section A-A depth of hopper shown as (-)12.00mtr. Please calrify	EL (-) 17.300 m may be ignored
5	Drg No 9568-109-POM-F-003, Sheet-1 of 2		(i)Regarding profile of track hopper conveyor 1A/B	(i)As per the profile conveyor shown as inclined but as per the track hopper details shown in drawing no 9568-109-POM-F-006 floor level at receiving end (-)12.00 mtr and discharge level at TP-15 is at also (-)12.00mtr level, hence it will be a horizontal conveyor. Kindly confirm the same.	Revised drawings is attached
			(ii)Regarding profile of conveyor 21A/B and height of TP-21	(ii) As per the scheme CSU-2 will be installed on Conv-21A/B to collect the sample and the reject coal will be discharge on BCN-22A/B and for installing the Coal sampling unit a floor gap of min 10mtr to be maintained for accommodating the CSU unit. Hence we are considering discharge end floor level of Conv-21A/B at (+)64.00 mtr (instead of +60.00mtr as shown in the drawing) un-altering the receiving floor of conv-22A/B. Also for installing ILMS at TP-21 a minimum head room of 8mtr required, accordingly roof level may go upto (+)72mtr instead of (+)64.50mtr as shown in profile drawing. Kindly confirm the same.	Revised drawings is attached
			(iii)Regarding profile of conveyor 22A/B and height of TP-23	(iii)As per flow diagram at the discharge end of Conv-22A/B bi-furcating chute with flap gate arrangement has shown for feeding to the bunker feeding conveyor as well as for on-ward conveying of coal upto unit UNIT-II but as per the profile drawing one fixed tripper arrangement with flap gate has shown. Kindly confirm which one to be considerd.	Follow as per Coal Flow Diagram
6	Vol-II, Section-D.1.06	Clause-1.10.04 Page-8 of 18	Chute Blockage Switch	Type of chute blockage switch to be provided.	RF Type
7			Coal Run-off Pit	Location of Run off pit and capacity.	Layout
8			Stock-Pile Bed	Capacity of stock pile bed not available from the TS, kindly inform the same so that we can calculate the stockpile length considering the stock pile bed width 50mtr and height 10mtr Constructional details of stockpile bed Cross-sectional drawing of stock pile bed showing drain, road, retaining wall as per scope.	Layout
				Constructional details of stockpile bed	AS Per Tech.Spec.
				Cross-sectional drawing of stock pile bed showing drain, road, retaining wall as per scope.	AS Per Tech.Spec.
9	Vol-II, Sec-D-3.01	Clause no 28.00.00 Page 63 of 83	CHP roads under scope of this package shall be connected to the existing roads of the Power Plant for smooth movement of internal traffic.Access road from employer's / vendor's road to all CHP facilities shall be provided. All roads in CHP area shall be 7.5 m (double lane) and 4.0M (single lane) wide, water bound macadam with bituminous topping	(i) Refer to the clause we understood that approach road from all TP and crusher house upto the nearest main road(by owner) will be in CHP bidder's scope but the road network not shown in the plot plan drawing. We request you to forward us the Auto Cad drawing of Plot Plan showing the road network for our proposal purpose.(ii) Also furnish the cross-sectional drawing of road showing width of road at different area.	Layout in Auto cAD is attched.
10	Vol-II, Sec-D-3.01	Clause no 4.01.00 Page 9 of 83	4.0 m wide bituminous road with drain (both side of the track hopper) shall be provided as shown in the tender drawing	Refer to the clause kindly confirm whether drain will be on either side or one side only.	As per Tech Spec.

11	Vol-II, Sec-D-3.01	Clause no 5.00.00 Page 18 of 83	Drainage system	Refer to the clause we understood that all the building and transfer towers will be provided with peripheral drain connecting to the RCC drain finally to the coal settling pond. Also the water/coal slurry from conveyor gallery shall be discharged on local pit/RCC drain which will lead the discharge finally into owner's drain/Settling pond. In plot plan drawing owner's drain not shown specifically, in that case we request you to indicate the proposed drain network in plot plan drawing so that we can include the in our scope.	As per Tech Spec.
12	Vol-II, Sec-C.2	Clause-2.03.04 page-32 of 38 and clause-2.02.13 page-16/38	TP-3 of CHP Phase-I provision of BF-3, Conv-23 & 26	Refer to the clause we presume that floor at (+)15.50mtr & (+)7.00mtr level are already available for installation of belt feeder BF-3 & drive end of BC-25. However necessary receiving chute on BF-3 from the flap gate flange of 3A/B and 13A/B will and cut out at floor will be in bidder's scope. Similarly Discharge chute from BF-3 to BC-26 and from BC-25 to 4A/B with cut out at floor will be in bidder's scope. Kindly confirm the same.	Drawing of Exiting TP-3 is attached herewith.
13			Scope of work Civil/Architectural buildings.	Construction of 4 nos Substation/MCC room, 2 nos pump house other than Crusher house, Pent Houses, Transfer Points will also be in our scope as mention elsewhere in the specification.	AS per Tech.Spec.
				However regarding construction of Compressor room for installing compressor with air receiver for line side equipment, CHP Office cum Maintenance Building, CHP Admin Building (as shown in plot plan drawing) scope matrix is not clear to us. Kindly define the scope matrix.	1000 Sq mtr double storied building
				In case construction of CHP Office cum Maintenance Building & CHP Admin Building will be in bidder's scope, furnish tentative drawing.	1000 Sq mtr double storied building
				Also confirm the type of hoist required for CHP Maintenance Building.	Electric Hoist
14	Vol-II, Sec-D.1.09	page-3/21, Clause-1.02.05	Service Air System	No details available. Furnish the same	As per Tech.Spec.
	Vol-II, Sec-D.1.09	page-5/21Clause-1.05.06	Wagon tippler Dust Suppression System		
15		Drawing No-9586-109-POM-F-005-GA OF CRUSHER HOUSE		As shown in crusher house plan conveyor BC-16A/B is entering perpendicular to the building horizontal axis but as per CHP Lay-out plan BC-16A/B will enter angularly and center line of conveyor BC-16B feeding second series of screen and crusher will shift right side from present location accordingly size of crusher house will increase and center line of conveyor BC-26 & BC-27 may get shifted on right side. Kindly furnish revised drawing considering above changes.	Tender drawings is tentative drawings.
16	Vol-II, Sec-C.2	Page-3 of 38, Clause-I	After award of contract, before finalizing his …….. will be to his account.	Kindly forward Lay-out Plan drawing showing location and details of existing facilities which may interfere with the proposed facilities, so that we can consider the rerouting/relocation related job involvement in our proposal.	Layout in Auto CAD is attched.

Bidder - 8

Sl.No.	Vol/Sec	Clause No./Page No.	Description	Queries	DVC's reply

1	Vol-1/Sec-I/IFB	CLAUSE 6.00,/ 9 of 14	BENEFITS / EXEMPTIONS TO SUPPLIES FOR MEGA POWER PROJECTS	Kindly confirm the exemptions/benefits are available for Cement, TMT Bars and Structural Steel etc.,	Not available as per the foreign trade policy of Govt. Of India.
2	Vol.I Sec-VI, BFP	11. FORM OF DEED OF JOINT UNDERTAKING, paragraph 4, / 76 of 92	AND WHEREAS , M/s ……, the Bidder/Contractor meets the requirements stipulated in Clause ……..of IFB of Bidding Documents and M/s…… (as Associate), fully meets the stipulated requirements as per Clause ……..of IFB of Bidding Documents, and we , jointly meet the qualification requirements as specified in its Bidding Document No. DVC/EDCON/RTPS-PH-II /CHP, executed this irrevocable Deed of Joint Undertaking for effecting this Association that we shall be held jointly and severally responsible and bound unto the Employer for successful performance of …… under Wagon Tippler Package for its Raghunathpur Thermal Power Station, Phase-II (2X660MW) as specified in its Bidding Document No. DVC/EDCON/RTPS-PH-II /CHP , in the event the Bid is accepted by the Employer resulting in a Contract (hereinafter called the "Contract").	Please refer to the DJU where it indicates the package as "Wagon Tippler Package", we understand the same should be "Coal Handling Plant Package". Please Confirm.	Confirmed.
3	Vol.I Sec-VI, BFP	11. FORM OF DEED OF JOINT UNDERTAKING, paragraph 5, / 76 of 92	WHEREAS M/s ..... (the Bidder/Contractor) is submitting its proposal No…… dated …….in response to the aforesaid Invitation for Bid for Wagon Tippler Package for its Raghunathpur Thermal Power Station, Phase-II (2X660MW) against the Employer's Bidding Documents No DVC/EDCON/RTPS-PH-II /CHP dated ……..	Please refer to the DJU where it indicates the package as "Wagon Tippler Package", we understand the same should be "Coal Handling Plant Package". Please Confirm.	Confirmed.
TECHNICAL					
1	Vol.II Sec-C.2 Page 11 of 38 & Vol.II Sec-D.1.20 Page 2 of 8	2.01.01 & 1.02.02		In the Technical specification, it is mentioned that clear access shall be provided for movement of pay loaders on the hopper grating of track hopper and wagon tipplers. But, access to wagon tippler hopper by Pay loader/Bull dozer is not feasible since tippler is located on one side and control room on the other side.	As per technical specs.
2	Vol.II Sec-D.1.21 Page 2 of 2	4.00.00		In data sheet for Apron feeder, VVVF drive is mentioned. So, we have considered electro mechanical drive for apron feeder.	NO,VVVF DRIVE
3	Vol.II Sec-D.1.02 Page 7 of 7	2.05.00		We have considered anti collision device as Infra Red type instead of Mechanicl Infra Red Type as mentioned in the Paddle Feeder Data Sheet.	mech.& Infra Red type shall be
4	Vol.II Sec-D.1.07 Page 3 of 5 & Vol.II Sec-D.1.13 Page 5 of 6	2.05.00 & 1.02.08		In Drive equipments under Fluid coupling & data sheet for Ring granulator crusher, water cooled type oil cooler is mentioned for scoop couplings. However, we have considered air cooled oil cooler type.	As per technical specs.

5	Vol.II Sec-D.1.06 Page 6 of 18	1.09.10		In the Technical specification for pulleys, while selecting pulley shaft dia. margin of atleast 20% shall be considered on the maximum tension at conveyor design capacity. However, we have considered for drive pulleys, resultant load+20% margin of T1 (i.e Maximum belt tension under normal operating condition). For all other non-drive pulleys, shaft dia is designed based on resultant load + 20% margin of T2 & T3 (i.e slack side tension and Non drive pulley tensions).	As per technical specs.
6	Vol.II Sec-D.1.1 Page 2 of 33	2.01.01(c)		In parameters under belting and pulleys, shell thickness is mentioned as 20mm (min.) and end disc plate thickness as 30mm(min.). However, we have considered shell thickness as 16mm(min.) and end disc plate thickness 24mm(min.) as per page 14 of 18 mentioned under clause 2.6.1 of Vol.II Sec-D.1.06.	Shell thickness shall be 30mm min.
7	Vol.II Sec-D.1.06 Page 15 of 18	2.6.4		In Pulleys, hardness for rubber lagging is mentioned as 55 to 65 durometer (Shore A). We have considered the same for drive pulleys whereas for non-drive pulleys, 35 to 45 durometer (Shore A) as mentioned in 8.7.3, page no. 22 of IS:11592.	As per technical specs.
8	Vol.II Sec-D.1.05 Page 6 of 8	2.1.3		In the Technical specification for chutes and hoppers, size of discharge chute for stone picking, minimum 1500mm x 750mm (inside both ways) whereas in page 7 of 33 mentioned under clause 2.0.13 of Vol.II Sec-D.1.1, it is mentioned as 750mm x 1000mm (inside both ways) for stone picking. Kindly confirm.	For Chutes and Hoppers,size of discharge chute for stone picking, minimum 1500mm x750mm (inside bothways).
9	Vol.II Sec-D.1.06 Page 3 of 18	1.05.03		In the Technical specification, the idler shaft diameter given is on higher side. We are considereing Idler design based on the IS 11592 - Third method for idler selection in the Annexure - D and bearing shall be designed based on the capacity and idler life calculation as per the Annexure-E of IS 11592.	As per technical specs.
10	Vol.II Sec-D.1.08 Page 2 of 3	1.02.11		In the Technical specification for conveyor belt weighers (except for Stacker reclaimer), the accuracy of belt scale is mentioned atlease $\pm$0.25%. However, we have considered the same as +0.5%.	As per technical specs.
11				Kindly furnish the bunker slot opening width to select the Bunker Sealing Belt Width.	In general 800mm and sealing belt width shall be 1000mm.

Bidder - 9

Sl.No.	Vol/Sec	Clause No.	Description	Queries	DVC's reply
1	VOL-II , SEC C-2	2.02.25,18 OF 38	Belt weigher	It is specified that the belt weigher shall be provided on conveyor BC-16A/B where as in flow diagram the same is located on conveyor BC-18A/B. Please clarify.	Belt weigher will be in Con 16A/B
2			Existing Transfer tower	Please provide the Drawing No. 0-0810-08-MA-01/R3 for TT-3 as mentioned in flow diagram. (reference)	Drawing of Exiting TP-3 is attached herewith.
3	Flow Diagram		Flap gate	At TP-17 , conv. 17A & 17B shall feed either of conv. 18A & 18 B respectively. Please clarify.	At TP-17 , conv. 17A & 17B shall feed either of conv. 18A or 18 B respectively..
4			co-ordinates	Please provide co-ordinates of all the Towers which is not showed in the Plot plan drawing.	Layout in Auto cAD is attched.
5	9586-109-POM-F-006 & 9586-109-POM-F-003		Drawings	In General arrangement of Track Hopper (9586-109-POM-F-006) the distance between the edge of Track Hopper & end of stair is 15 meter where as in Profile drawing of BC-15A/B it is indicated is 19 meter. Please clarify.	As per Revised Drawings
6				We understand the distance between TP-16 & Crusher House is 220 m and not 2200 m as per mentioned in Profile drawing for conveyor BC-16A/B in drawing No. 9586-109-POM-F-003. sheet 1 of 2 Rev.-1. please clarify.	220mtr

7			Existing conveyors	While feeding the material to existing conveyors 4A/B the capacity of all the conveyor shall be maintained at 1600 tph either from track hopper or from wagon tippler to TP-3 (existing). Please confirm.	Ratimng of Exiting CHP is 1600TPH only.
8			stacker reclaimer	While reclaim material required to convey to existing TP-3 the reclaimer shall operate @ 1600 tph. Also in conveying system from proposed conveyor BC-26 to boiler bunker of Unit 1 & 2shall be operated @ 1600 TPH.Please confirm.	AS per Tech.Spec.
9			Shed	Shed above the bunker is not in bidders scope of supply. Please confirm	AS per Tech.Spec.
10			existing transfer towers	Please provide G.A Drawings of existing conveyors i.e 13A/B, 3A/B, 4A/B. & Transfer tower TP-3.	Drawing of Exiting TP-3 is attached herewith.
11			apron feeder & plough feeder	Please confirm the variation in capacity for apron feeder & plough feeder	AS per Tech.Spec.
12			stockpile	Please indicate the stockpile capacity for each stacker.	Around 15 days crusheed coal stock pile in all four stock piles
13			Fouling of roads with conveyor	Refer plot plan dwg.no: 9586-109-POM-F-001. conveyor.no-BC-20A/B. There is a road between Crusher house & TP-20. The road needs to be diverted by the purchaser as clear height at road is difficult to achieve.	AS per Tech.Spec.
14			Fouling of roads with conveyor	We assume that all pipe lines and any other structure crossing conveyor no-21A/B are not more than 8 mts elevation from ground.	AS per Tech.Spec.
15				Refer dwg.no 9586-109-POM-F-003 sheet(1of2), conveyor profile BC-16A/B from TP-15 to Crusher house. The elevation of roof for TP-15 is shown as EL(+)0.500 mts where as the ground level at crusher house is EL(+)00.0 conveyor 16A/B receives material from BC-15A/B at EL(-)17.30 mts. we understand the roof elevation of TP-15 is (-)0.500 mts in place of (+)0.500 mts	Revised Drawings is attched

16			Fixed Tripper for Conv# BC - 22A/B	We have not considered fixed tripper arrangement at TP-23 as shown in the drawing no: 9586-109-POM-F-003 (Sheet 1 of 2) for feeding the material from conveyor 22A/B to either of conveyor BC-23A/B or BC-2 as the conveyor terminates at TP-23.	Follows as per Coal Flow Diagram
GENERAL					
17				No stand by paddle feeder per conveyor is proposed. Both the feeders on each conveyor are supposed to work for rated conveyor TPH. Confirm.	AS per Tech.Spec.
18				Is there a pre wetting of wagons before tippling and if so, how many wagons are to be pre wetted?	Two Wating Wagons

19				For D.S. at paddle feeders, water tank mounted on carriage trolley of P.F. shall have 1/2 hour capacity. Confirm	AS per Tech.Spec.
20				The D.E. system (dry type roof mounted) is applicable for Bunkers and not bunker floors. Confirm	Not for Bunker
21				For service water system, capacity reqd. shall be 6 nos valves X 5 cub. m/hr = 30 cub. m / hr per system. As such, 2W=2S is not reqd. 1W=1S will be sufficient. Confirm	As per Tech Spec.
22				For mechanical ventilation system in underground areas , 15 supply & 7 exhaust per hour shall be sufficient. Confirm	As per Tech Spec.
23				Hoists - Lifting of belt drums at all transfer houses, crusher house/bunker floor is not possible due to size of the belt drum and their weight. Catalogue of belt suppliers may please be consulted. Provision of Paved area on the ground near take-up shall be sufficient. Confirm	As per Tech Spec.
24				We feel Blending of coal is responsibility of the operator of the system.Confirm. Bidder will provide capacity control facility as mentioned under clause 4.20.002(a), 2(b) & 2(c). Confirm	As per Tech Spec.
25				TP-21 height needs to be increased by 8 to 10 m to incorporate provision of ILMS and Coal Sampling System properly , also the building size to 15M X 15 M. Confirm.	Tender drawings is tentative only.
26				Refer plot plan dwg.no: 9586-109-POM-F-001 conveyor no. BC-26. There is a road between existing transfer tower TP-3 & TP-19. The road needs to be diverted by the purchaser as clear height at road is difficult to achieve.	As per Tech Spec.
27				conveyor to conveyor centre distance for double stream as 3500 mm at all sections.	As per Tech Spec.
28				Top of middle roll of idler section to be kept at 1200 mm from floor.	As per Tech Spec.
29				Gallery cross section as 8 M for double conv. structural gallery, 10M at stone picking zone, 5M at single conv. B=1600 mm , 4.6 M at B=1400mm, Tunnel cross section at 9M for all.	As per Tech Spec.

30				2700 mm Clear height at all structural gallery in place of 3000 mm.	As per Tech Spec.
31				centre distance between 15 A and 15 B as 3500 mm.	As per Tech Spec.
32				Please clarify requirement of stone picking zone at conv. 20A/B.	As per Tech Spec.
33				Whether floor to provide new belt feeder BF-3 exixting?	As per Tech Spec.
34				Openings at different floors at TP-3 are existing?	Drawing of Exiting TP-3 is attached herewith.
35				Whether head room to incorporate flap gates at discharge ends of existing conveyors are available?	As per Tech Spec.
36				Extent of modification at TP-3 and suitability of drives of existing convs. 13A/B & 3A/B .	As per Tech Spec.
37				Please provide mechanical G.A. of TP-3 and discharge chutes of 13A/B & 3A/B.	Drawing of Exiting TP-3 is attached herewith.
38				Availability of phase wise shut down in phase -I to carry out modifications at TP-3.	Confirmed
39				We feel TP-15 and TP-17 are R.C.C. building.and TP-16 is partly of R.C.C.Confirm.	Confirmed

Bidder - 10

Sl.No.	Vol/Sec	Clause No./Page No.	Description	Queries	DVC's reply
1	vol. ii of sec-D-3.02	page 4 of 8, Cl. no. 1.03. 02	Foundation system	Stipulate that minimum width & depth of foundation shall be 1m. We propose that above clause shall not be made mandatory for minor foundations like fencing post, starting flight of stair, plinth wall, conveyor post, guide post of Take up, small pump, motor, fan, portal foundation, on- ground conveyor, street light post foundations etc. The owner may please review and confirm.	As per Tech Spec.
2			Rainfall	The owner may please indicate maximum intensity rainfall & runoff coefficient stock pile area for storm water calculation.	As per Tech Spec.
3	vol. II of sec-D-3.01	Sh. no. 5 of 83, Cl. no. 1.01.00	Road	As Cl. no. 1.01.00 (ref. sh. no. 5 of 83 of vol. II of sec-D-3.01) width of access road shall be 3.75m only. However, as per cl. no. Cl. no. 4.01.00 (ref. sh. no. 7 of 83 of vol. II of sec-D-3.01) width of approach road shall be 4m wide. The owner may please confirm actual width of access road.	All the roads in CHP area should be 7.5M(double lane) and 4.0 M (single lane) wide, 4.0M wide access road shall be provided . All other road except access road shall be 7.5M wide.
	vol. II of sec-D-3.01	sh. no. 63 of 83, Cl. no. 28.01.00	Road	As Cl. no. 28.01.00 (ref. sh. no. 63 of 83 of vol. II of sec-D-3.01) all road in CHP area shall be 7.5m & 4.0m wide. The owner may please furnish battery limit of 7.5m & 4.0m wide road.	
				The owner may please indicate layout of hardstanding concrete road for dozer movement.	Concrete Road is required around the Stock Pile Area
4			Pavement Stock yard area	The owner may please indicate whether there would be any pavement for coal Stock yard area. If any pavement is to be provided, cross-sectional details of such pavement may kindly be furnished.	No payment

5	tender drawing no. 9586-109-P0M-F-004, Rev.1		Tunnel for conv. BC-1AB	(a)Refer cross sectional detail of tunnel for conv. 1AB in the tender drawing no. 9586-109-P0M-F-004, Rev.1, where in C/C distance in between conv. is given as 3300mm but as per layout drawing of track hopper, C/C distance between conv. should be 4900 mm. Since tunnel width is very high, the owner may please allow column in the middle of central walkway keeping clear width of the walkway 1100mm in the either side of the column. Use of central column of the tunnel will give better stability of the structure. (b)Side walkway of the tunnel for conv. BC-1AB is shown as 1700mm in the above mentioned tender drawing, whereas as per NIT requirement it should be 800mm. The owner may please clarify exact dimension of the Side walkway.	No conveyor 1A/B
6	tender drawing no. 9586-109-P0M-F-004, Rev.1		Tunnel for conv. BC-16AB, 17AB & 18AB	Side walkway of the tunnel for above conv. are shown as 1000mm & central walkway shown as 2200mm in the above mentioned tender drawing, whereas as per NIT requirement it should be 800mm & 1100 mm respectively. The owner may please clarify exact dimension of the side & central walkway.	Revised Drawings ia attched
7	page 13 of 83, vol. ii of sec-D-3.01	As per cl. no. 4.03.00 & 4.04.00	Metal decking	(a)Roofing of crusher & transfer houses shall be of RCC construction. Whereas as per cl. no. 6.00.00 state that "roofing & side cladding troughed permanently colour coated sheets (internal or external) shall conform to any one of the following	Type of Roof shall be of RCC
		As per cl. no. 6.00.00		(b)we understood that metal decking is required as permanent shuttering for the construction of floor slab. The owner is requested to confirm the same	As per Tech Spec.
COMMERCIAL					
1	GCC, sec-III	Page 6 / Cl. No.1.1	Definitions – Effective Date : The Time of Completion of the Facilities shall be determined from the date of Notification of Award ie. NOA date (Zero date).	We propose, Date of Contract Effectiveness (i.e Zero Date) shall be the latest of the occurrence of the following events: a. Issue of LOA. b. Signing of the Contract Agreement c. Date of receipt of Advance Amount.	As per NIT documents.
	GCC, sec-III	Page 17 / Cl. No.8.1			
	Form of Contract Agreement sec-VI	Page 23 / Cl. No.3.1			
2	GCC, sec-III	Page 17 / Cl. No. 7.3.1.13.i.a	Scope of Facilities.- Defect Liability period For 3 years operational spares (both mandatory and recommended) : The Defect Liability Period will be twelve (12) months from the scheduled date of commercial operation of the last unit of main equipment/plant covered under the Contract.	We propose, The Defect Liability Period for operation spares shall be twelve (12) months from the scheduled date of commercial operation of the last unit of main plant covered under the Contract or a period of eighteen (18) months reckoned from the date of actual delivery at site, which ever is earlier.	As per NIT documents.
3	GCC, sec-III	Page 18 / Cl. No. 9.3	Contractor's Responsibility - permits, approvals and licenses: …….. The Contractor shall also acquire all other permits, approvals and required licenses that are necessary for the performance of the Contract, including those which required to be acquired in the name of the Employer.	We propose, The Contractor shall be responsible for accruing those permits, approvals and required licenses that are necessary to be acquired in his name only for the performance of the Contract.	As per NIT documents.

4	GCC, sec-III	Page 18/ Cl. No. 10.1	EMPLOYER'S RESPONSIBILITIES - information: The Employer shall ensure the accuracy of all information and/or data to be supplied by the Employer as described in Appendix 6 (Scope of Works and Supply by the Employer) to the Contract..	The Owner shall be responsible for providing all preliminary details such as Soil data report, site conditions, sub-surface geological data, climatic conditions, layout of the site including any permanent structure, load data, interfacing issues etc. required for the execution of the Contract.	As per NIT documents.

5	GCC, sec-III	Page 18/ Cl. No. 10.2	EMPLOYER'S RESPONSIBILITIES – Access to & possession of site: The Employer shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, including all requisite rights of way.	Getting all required environmental clearances within the specified time for the land reasonably required for the proper execution of the Contract shall lie with the Employer. If the handing over of the site / part of the work area gets delayed beyond 2 months from the period specified in the approved work schedule, the contractor should be allowed to terminate the contract and should be paid suitable termination cost by the Employer as a result of the same.	As per NIT documents.
6	GCC, sec-III	Page 18/ Cl. No. 10.3	EMPLOYER'S RESPONSIBILITIES – permits, approvals and licenses : The Employer shall reimburse (against necessary supporting documents) to the Contractor, the payment of fees payable to the statutory authorities for all permits, approvals and licenses from all local, state or national government authorities or public service undertakings, which are required to be obtained in the Employer's name for the execution of the Contract.	We propose, The Employer shall be solely responsible for accruing those permits, approvals and required licenses that are necessary to be acquired in his name for the performance of the Contract.	As per NIT documents.
7	GCC, sec-III	Page 20/ Cl. No. 13.2.1 Page 20/ Cl. No. 13.3.1	Advance Bank Guarantee & Contract Performance security: The Contractor shall, within twenty-eight (28) days of the Notification of Award of Contract, provide a security in an amount equal to the advance payment calculated in accordance with Appendix 1 (Terms and Procedures of Payment) to the Contract Agreement… The Contractor shall, within twenty-eight (28) days of the Notification of Award, provide securities for due performance of the Contracts for ten percent (10%) of the Contract Price of all the Contracts, with a initial validity upto ninety(90) days beyond the end of scheduled Defect Liability Period of the facility covered under the package.	ABG & PBG shall be submitted by the Contractor with in 07 days after Contract Agreement signing or 28 days from the date of receipt of NOA (Notification of Award) issued by Owner, whichever is later.	As per NIT documents.
8	GCC, sec-III	Page 22/ Cl. No. 14.2	TAXES AND DUTIES - "building and other construction workers" welfare cess : …Levies on account of "building and other construction workers" welfare cess as per the latest edition of notification of the State Government where the site is located shall be applicable and all inclusive of the total price. However, if DVC pays any cess on the contract, the same will be deducted from contractor`s bill.	Please confirm whether the above Project is covered under Factories Act? We propose, "Building and other construction workers" welfare cess as per the latest edition of notification of the State Government, where the site is located, should be directly paid by the Employer to the Concerned Tax authorities and should not be included in the Contract Price..	As per NIT documents.
9	GCC, sec-III	Page 22-23/ Cl. No. 14.4	TAXES AND DUTIES – Applicability of subsequent legislation on Bought out items: Changes in contract price due to subsequent legislation shall not be applicable on the bought out items (BOIs) dispatched directly from sub-vendor's works to site.	We propose, Changes in contract price due to subsequent legislation should also be applicable for the bought out items (BOIs) dispatched directly from sub-vendor's works to site.	As per NIT documents.
10	GCC, sec-III	Page 27/ Cl. No. 19.1	SUBCONTRACTING	The vendors which are already approved by reputed Clients in India such as Vedanta, NTPC, SAIL, HZL, ACC etc. are not required for any fresh approval. The Contractor shall be free to place order with confirmation to Tech specification.	As per NIT documents.

11	GCC, sec-III	Page 28-29/ Cl. No. 20.3.2	Approval/Review of Technical Documents by Project Manager : Within twenty one (21) days after receipt by the Project Manager of any document requiring the Project Manager's approval in accordance with GCC Sub-Clause 20.3.1, the Project Manager shall either return one copy thereof to the Contractor with its approval endorsed thereon or shall notify the Contractor in writing of its disapproval thereof and the reasons therefor and the modifications that the Project Manager proposes.	We understand that no fresh comments will be given in subsequent submissions made by Contractor for approval of documents.	As per NIT documents.
12	GCC, sec-III	Page 31/ Cl. No. 21.4	CUSTOMS CLEARANCE: ….In the event of delays in customs clearance due to fault of the Employer, the Contractor shall be entitled to an extension in the Time for Completion, pursuant to GCC Clause 40.	Any associated cost as a result of delay incurred by the Contractor at the time of handling of formalities related to Custom Clearance for reasons not attributable to the Contractor such as demurrage charges, ground rent etc., shall also be reimbursed to the Contractor based on documentary evidence in addition to time Extension.	As per NIT documents.
13	GCC, sec-III	Page 33/ Cl. No. 22.4.1	Opportunities for Other Contractors: The Contractor shall, upon written request from the Employer or the Project Manager, give all reasonable opportunities for carrying out the work to any other contractors employed by the Employer on or near the Site	If the work of the Contractor is delayed because of any acts of omission of another Contractor employed by the Employer, the Contractor should be suitably compensated both in terms of time extension and payment of additional cost by the Employer. The interfacing issues w.r.t Contractor's works along with other contractors shall be under the responsibility of Employer.	As per NIT documents.
	ECC, sec-III	Page 33/ Cl. No. 22.4.1	CO-OPERATION WITH OTHER CONTRACTORS		
14	GCC, sec-III	Page 33/ Cl. No. 22.5	Emergency Work : If, by reason of an emergency arising in connection with and during the execution of the Contract, any protective or remedial work is necessary as a matter of urgency to prevent damage to the Facilities, the Contractor shall immediately carry out such work.	However if such work carried out by the Contractor is outside his initial agreed scope, then the additional cost & time incurred by him shall be reimbursed by the Employer.	As per NIT documents.
15	GCC, sec-III	Page 37/ Cl. No. 24.7	Deemed Completion: If the Project Manager fails to issue the Completion Certificate and fails to inform the Contractor of any defects and/or deficiencies within fourteen (14) days after receipt of the Contractor's notice under GCC Sub-Clause 24.4 or within seven (7) days after receipt of the Contractor's repeated notice under GCC Sub-Clause 24.6, or if the Employer makes use of the Facilities or part thereof, then the Facilities or that part thereof shall be deemed to have reached Completion as of the date of the Contractor's notice or repeated notice, or as of the Employer's use of the Facilities, as the case may be.	In addition to the contract clause, the following events shall also result in deemed completion / commissioning:- In case commissioning is not executed for the reasons attributable to Employer within 02 months from the mechanical completion (completion of installation of facilities) or 04 months from supply of last major item (95% supply value milestone), the commissioning is deemed to be have taken place and the defect liability period shall commence. The payment of 5% shall be released immediately in the event of same.	As per NIT documents.
16	GCC, sec-III	Page 38/ Cl. No. 25.1.2	Conduction of Guarantee test : The Guarantee test of the facilities (or part thereof, if applicable) shall be successfully completed within twelve (12) months of the date of completion of the respective Facilities.	To be added:- In case if the PG test is not conducted within 06 months from commissioning or deemed commissioning or 12 months from the date of completion of respective facility, whichever is earlier, for the reasons attributable to Employer, the conductance of PG test is deemed to have taken place and Contractor obligations to conduct PG test is waived off or deemed to be completed. The corresponding payment against the PG Test shall be released immediately by the Employer.	As per NIT documents.

17	GCC, sec-III	Page 39/ Cl. No. 26.2	LIQUIDATED DAMAGES FOR DELAY: Shall be 0.5% of the value of the delayed portion per week of delay and part thereof subject to max of 5% of the value of total contract price.	No LD for delay should be recovered before commissioning, LD should be recovered only when it is established that the delay are solely attributable to the Contractor.	As per NIT documents.
18	GCC, sec-III	Page 39/ Cl. No. 26.2	LIQUIDATED DAMAGES FOR DELAY – Mandatory Spares: …..One half of the one percent (½%) of Ex-works (India) / CIF (Indian port-of-entry) price of the delayed Mandatory Spares, per week or part thereof of delay, subject to maximum of five percent (5%) of the total CIF / Ex-works price of all mandatory spares covered under the package.	This regime is not required as the Contractor obligation is to commission the project on time schedule agreed for. Hence, LD for delay in commissioning will be applicable as one milestone.	As per NIT documents.
19	GCC, sec-III	Page 40/ Cl. No. 27.2	DEFECT LIABILITY: …… shall be eighteen (18) months from the date of successful Completion of the Facilities (or any part thereof) or twelve (12) months from the date of Operational Acceptance of the Facilities (or any part thereof), whichever occurs first.	Replace by:- 12 months from date of commissioning (or mechanical completion) or 18 months from date of last major shipment (95% shipment) whichever is earlier.	As per NIT documents.
20	GCC, sec-III	Page 45/ Cl. No. 30.1.b	Limitation of Liability: …..shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Contractor to indemnify the Employer with respect to patent infringement.	"the aggregate liability of the Contractor to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed 20% of the total Contract Price, provided that this limitation shall not apply to any obligation of the Contractor to indemnify the Employer with respect to patent infringement".	As per NIT documents.
21	GCC, sec-III	Page 45/ Cl. No. 31.4	Disposal of surplus material:	Should the actual physical quantities and weights differ from the indicated ones, neither the Contractor shall be entitled to get any additional price from the Employer nor the Employer shall be entitled to deduct any amount from the Contract price due to variation in physical quantities and weights.	As per NIT documents.
22	GCC, sec-III	Page 50/ Cl. No. 35.1	UNFORESEEN CONDITIONS : Climatic condition not considered as a reason for unforeseen condition.	Climatic Conditions which have not been encountered at the work location for last 5 years shall also be considered as unforeseen conditions based on production of documentary evidence.	As per NIT documents.
23	GCC, sec-III	Page 51/ Cl. No. 37.1	"Force Majeure" : shall mean any event beyond the reasonable control of the Employer or of the Contractor, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected.	It shall also include, without limitation, the following, a. National & local bandh, strike, sabotage, unlawful lockouts & conditions prevailing in work areas, epidemics, quarantine and plague. b. Earthquake, fire, Flood, or cyclone, or other natural and physical disaster. Force majeure shall also be applicable to Sub-Contractor's / supplier's work also.	As per NIT documents.
24	GCC, sec-III	Page 52/ Cl. No. 37.6	Force Majeure – prolonged suspension: If the performance of the Contract is substantially prevented for a single period of more than sixty (60) days or an aggregate period of more than one hundred and twenty (120) days on account of one or more events of Force Majeure during the currency of the Contract, the parties will attempt to develop a mutually satisfactory solution, failing which the dispute shall be resolved in accordance with GCC Clause 6.	The Contractor shall have the right to terminate the Contract (or part of the Contract affected by force majeure) based on mutually agreed terms and conditions if the force majeure condition continues beyond the stipulated period specified under the clause.	As per NIT documents.
25	GCC, sec-III	Page 55/ Cl. No. 40.1	EXTENSION OF TIME FOR COMPLETION: War risk not considered as a cause for issuance of time extension.	"War Risk" (Clause No 38) should also be included as a reason for extension of time for completion.	As per NIT documents.

26	GCC, sec-III	Page 53/ Cl. No. 40.4	Documents for Consideration of Time Extension: The following documents shall form the principal basis for consideration of Time Extension pursuant to GCC clause 40 with or without LD, levy of liquidated damages pursuant to GCC clause 26 and settlement of extra claims during the execution of contract: 1. The joint recordings in the weekly meetings register 2. Records of Technical Coordination Meetings. 3. Records of Contract Review meetings. 4. Written notices issued by the "Project Manager" or his authorized representative to Contractor in the relevant period.	Irrespective to above, any documents which the contractor feels can be substantiated for justification of EOT shall be considered for the above time extension.	As per NIT documents.
Vol-I- SECTION - IV – Special Conditions of Contract (SCC)					
1	SCC, sec-IV	Page 2/ Cl. No. 3	Time for Commencement and Completion (Ref. GCC Cl. 8.2): "Completion of the Facilities" for Unit#1 is within 36 Months and for Unit#1 is within 42 Months as per the specification from the date of Notification of Award.	Should be linked with the date of Contract Effectiveness.	As per NIT documents.
Vol-I- Section – V – Erection Conditions of Contract (ECC)2					
1	ECC, Sec:- V;	Page 2/ Cl. No. 4.00.00	REMOVAL OF MATERIAL : No material brought to the Site shall be removed from the Site by the Contractor and/or his Sub-Contractors without the prior written approval of the Employer.	The Contractor should be allowed to remove those materials which are not being used for permanent works, after providing prior intimation to the Employer.	As per NIT documents.
2	ECC, Sec:- V;	Page 5/ Cl. No. 13.00.00	PROTECTION OF WORK : …. Should any such damage to the Contractor's Works occur because of other party not being under his supervision or control, the Contractor shall make his claim directly with the party concerned….	If the concerned party who is responsible for the damage to works is employed by the Employer, then suitable extension of time and payment of extra cost should be made to the Contractor by the Employer for the damage or loss caused to Contractor's work. The interfacing issues w.r.t Contractor's works along with other contractors employed by the Employer shall be under the responsibility of Employer.	As per NIT documents.
3	ECC, Sec:- V;	Page 12/ Cl. No. 25.02.00	CONTRACTOR'S MATERIALS BROUGHT ON TO SITE : The Employer shall have a lien on such goods for any sum or sums which may at any time be due or owing to him by the Contractor, under, in respect of or by reasons of the Contract. After giving a fifteen (15) days notice in writing of his intention to do so, the Employer shall be at liberty to sell and dispose off any such goods, in such manner as he shall think fit including public auction or private treaty …..	This regime is not accepted. The Employer shall have the lien for such goods which are covered under transfer of goods and not for contractor's plant & equipment brought for carrying out the Project works.	As per NIT documents.
Vol-1- Section – VI – Bid Forms & Procedures(BFP) – Appendix-1					

1	BFP, sec VI	Appendix-1; Page 25/ Cl. No. 1.A	TERMS OF PAYMENT – Advance Payment. a. Advance if paid shall be interest bearing. The amount of interest to be recovered from a particular bill shall be calculated as per SBI PLR. b. Submission of an unconditional Bank Guarantee covering the 110% of the advance amount. c. In case of delay in completion, the validity of ABG (Advance Bank Guarantee) & PBG (Performance bank Guarantee) shall be extended by the period of such delay.	We propose, 1. Interest free advance should be paid to the Contractor. 2. More over the unconditional bank guarantee that is required to be submitted by the Contractor shall be of 100% of the advance amount. 3. The Contractor shall bear the cost of such extension of Bank Guarantee (both BG and CPBG) provided the delay has been caused due to reasons attributable to the Contractor. 4. Advance Payment should be released within 15 days from the date of issue of NOA. Advance BG can be reduced quarterly based on the balance advance amount.	As per NIT documents.
2	BFP, sec VI	Appendix-1; Page 43/ Cl. No. 2.A.1 & Page 27/ Cl. No. B	For FOB Price Component of Plant and Equipment (excluding Mandatory Spares & Type Test): (I) Five Percent (5%) of the contract price as Interest bearing Advance Payment on fulfilling of the Clause No.1A above. (II) Next Five Percent (5%) of the contract price as Interest bearing Advance Payment on receipt of first consignment of equipment at site and physical verification and certification by the Project Manager of the equipment received and stored at site. (III) Sixty Percent (60%) of the contract price for each identified equipment upon dispatch of equipment from manufacturer's works on pro-rata basis on production of invoices and satisfactory evidence of shipment…. (IV) Twenty Percent (20%) of the contract price for each identified equipment on receipt of equipment at site on pro-rata basis and physical verification and certification by the Project Manager of the equipment received and stored at site. (V) Ten Percent (10%) of the contract price on successful completion of Guarantee Test of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager.	(I) Ten (10%) of the contract price as Interest bearing Advance Payment on fulfilling of the Clause No.1A above. ~~(II) Next Five Percent (5%) of the contract price as Interest bearing Advance Payment on receipt of first consignment of equipment at site and physical verification and certification by the Project Manager of the equipment received and stored at site.~~ (III) Seventy percent (70%) of the contract price for each identified equipment upon dispatch of equipment from manufacturer's works on pro-rata basis on production of invoices and satisfactory evidence of shipment…. MDCC shall be issued by the Employer within 3 days from the date of conduction of the tests. (IV) Ten Percent (10%) of the contract price for each identified equipment on receipt of equipment at site on pro-rata basis and physical verification and certification by the Project Manager of the equipment received and stored at site. (VI) Five Percent (5%) of the contract price on successful Completion of the Facilities (Commissioning) and issuance of completion Certification by the Project Manager. (VI) Five Percent (5%) of the contract price on successful completion of Guarantee Test of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager. If the Completion of guarantee test or issuance of Operational Certificate is delayed beyond the agreed schedule by a period of 30 days for reasons not attributable to the Contractor, the remaining 5% of the Contract Value shall be released to the Contractor on submission of a Bank Guarantee of an Equivalent amount whose validity period shall be mutually agreed upon by both the parties. Similar percentage composition and deviation is proposed for payment terms for Ex-works Price component of Plant and Equipment (excluding Mandatory Spares & Type Test) quoted on Ex-Works (India) basis (refer Cl No B- under Appendix – I of Sec-VI: Vol-01 : - pg 27).	As per NIT documents.

3	BFP, sec VI	Appendix-1; Page 28/ Cl. No. E	Schedule No. 4 : Payment Terms for Installation Services (excluding Civil works and Structural Works) (I) Ten Percent (10%) of the total installation services component of the Contract Price will be paid to the Contractor as Interest bearing Advance Payment on fulfilling of the Clause No.1A above … (II) Seventy Five percent (75%) of the installation services component of Equipments Price shall be paid against progressive erection of the equipments …. (III) Five percent (5%) of the Installation service component of Equipment Price on successful Completion of the Facilities and issuance of completion Certification by the Project Manager. (IV) Ten percent (10%) of the total installation services component of Equipment Price will be paid on successful completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager.	Our proposal related to the below points. (I) We request the Employer to provide us with interest free advance. (II) No Deviation. (III) Ten percent (10%) of the Installation service component of Equipment Price on successful Completion of the Facilities and issuance of completion Certification by the Project Manager. (IV) Five percent (5%) of the total installation services component of Equipment Price will be paid on successful completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager. If the Completion of guarantee test or issuance of Operational Certificate is delayed beyond the agreed schedule by a period of 30 days for reasons not attributable to the Contractor, the remaining 5% of the Contract Value shall be released to the Contractor on submission of a Bank Guarantee of an Equivalent amount whose validity period shall be mutually agreed upon by both the parties.	As per NIT documents.
4	BFP, sec VI	Appendix-1; Page 28 & 29/ Cl. No. F	Schedule No. 4 : Payment Terms for Civil Works : (I) Ten percent (10%) of the total Civil works Price component of the Contract Price will be paid to the contractor as interest bearing advance payment on fulfilling of the Clause No.1A above ….. (II) Eighty percent (80%) of the civil Construction work price will be made on pro-rata basis against progressive milestone basis on certification by the Project Manager for the milestones achieved and as certification by the Project Manager's field qualities assurance & surveillance representative … (III) Ten percent (10%) of total Civil Works Price component of Contract price shall be paid a successful completion of Guarantee Test of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager.	(I) We request the Employer to provide us with interest free advance. (II) No Deviation. (III) Five percent (5%) of the Installation service component of Equipment Price on successful Completion of the Facilities and issuance of completion Certification by the Project Manager. (IV) Five percent (5%) of total Civil Works Price component of Contract price shall be paid a successful completion of Guarantee Test of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager. If the Completion of guarantee test or issuance of Operational Certificate is delayed beyond the agreed schedule by a period of 30 days for reasons not attributable to the Contractor, the remaining 5% of the Contract Value shall be released to the Contractor on submission of a Bank Guarantee of an Equivalent amount whose validity period shall be mutually agreed upon by both the parties.	As per NIT documents.

5	BFP, sec VI	Appendix-1; Page 29/ Cl. No. G	Schedule No. 4 : Payment Terms for Structural Works (I) Ten Percent (10%) of the total Structural works Price component of the Contract Price will be paid to the contractor as interest bearing advance payment on fulfilling of the Clause No.1A above ….. (II) Forty Percent (40%) of the total Structural Works Price component of Contract Price shall be paid pro-rata basis on receipt of material at site and physical verification and certification by the Project Manager for the material received and stored at site. (III) Eighteen Percent (18%) of the total Structural Works Price component of Contract Price shall be paid on pro-rata basis on fabrication of Structural Steel and certification by the Project Manager on the quantum of work performed … (IV) Twelve Percent (12%) of the total Structural Works Price component of Contract Price shall be paid on pro-rata basis on erection of Structural Steel and certification by the Project manager on quantum of work performed …. (V) Ten percent (10%) of the total Structural Works price component of Contract Price shall be paid on pro-rata basis on final alignment, bolting or welding etc. …. (VI) Ten Percent (10%) of the total Structural Works Price Component of Contract Price shall be paid on successful completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager.	(I) We request the Employer to provide us with interest free advance. (II) No Deviation. (III) No Deviation. (IV) No Deviation. (V) No Deviation. (VI) Five percent (5%) the total Structural Works Price Component of Contract Price shall be paid on successful Completion of the Facilities and issuance of completion Certification by the Project Manager. (VII) Five percent (5%) of total Structural Works Price component of Contract price shall be paid a successful completion of Guarantee Test of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager. If the Completion of guarantee test or issuance of Operational Certificate is delayed beyond the agreed schedule by a period of 30 days for reasons not attributable to the Contractor, the remaining 5% of the Contract Value shall be released to the Contractor on submission of a Bank Guarantee of an Equivalent amount whose validity period shall be mutually agreed upon by both the parties.	As per NIT documents.
6	BFP, sec VI	Appendix-1; Page 29/ Cl. No. H	Payment terms for Price Adjustment Amount	Price Adjustment should be paid on monthly basis.	As per NIT documents.
7	BFP, sec VI	Appendix-1; Page 31/ Cl. No. 4.1	Due Dates for Payment: Progressive payment other than that under the letter of credit will become due and payable by the Project Manager within forty five (45) days from the date of receipt of Contractor's bill /invoice/debit note by the Employer…..	Payment shall be made within 30 days from the date of submission of Contractor's bill to the Employer. The Contractor shall be eligible for payment of interest for delay in payment by the Employer beyond the agreed schedule/period, which will be mutually discussed and agreed to before the finalization of the Contract Agreement.	As per NIT documents.
8	BFP, sec VI	Appendix-1; Page 31/ Cl. No. 5.0	Mode of Payment: The Employer will establish an irrevocable Letter of Credit (L/C) in favour of the Contractor through the Employer's Bank in Employer's country for payments due, as per Terms of Payment, on despatch of equipment i.e. Ex-works/ CIF despatch of equipment (including due payments towards ocean freight and marine insurance). The value of L/C will be as per payment schedule for each quarter and valid for a quarter. It will be the responsibility of the Contractor to utilize the L/C to the fullest extent. ….	a. Revolving LC shall be opened by the Owner within 60 days from the contract effective date. b. If the same is not opened within 60 days, then contract effective date and contract completion period should be shifted/extended accordingly. c. LC shall be valid for total contract period. d. All charges associated with the opening and maintenance of LC should be borne by the Employer. e. Moreover payment against Type test Charges, all supply items including all applicable taxes and duties inland transportation (including port handling if any) insurance should also be made through LC.	As per NIT documents.

9	BFP, sec VI	Appendix-2; Page 34/ Cl. No. iii. A.b.c.d	PRICE ADJUSTMENT - Ceiling: a. Ex-Works prices for the plant and equipment excluding Mandatory Spares and Type Test Charges supplied from Employer's country – 20% ceiling. b. Installation Price Component of Contract price excluding Civil Works & Structural Works Price – NIL. c. Civil Works Price Component of Contract Price – 15% ceiling. d. Structural Works Price Component of Contract Price – 15% ceiling.	Kindly remove this ceiling of +/-20% or 15% on the price adjustment as prescribed in accordance with the general trend followed in the recent EPC tenders, where in price adjustment of NTPC EPC Tender is without Ceiling. Further, for project of period of 42 months the above ceiling is very less. In accordance to the WPI, the average increase per year is approx. 8 % p.a. Hence the ceiling shall not be less than 30%. However, the ceiling shall be on the total Contract Price for respective package (say on supply contract, civil contract, and erection contract) and not on the particular equipment as the case may be.	As per NIT documents.
10	BFP, sec VI	Appendix-2; Page 37/ Cl. No. vii	PRICE ADJUSTMENT – for Ex-factory/FOB price component of the equipment: In case of shipments/despatch which is delayed beyond the schedule date of shipment/despatch for reasons attributable to the Contractor the price adjustment provision shall not be applicable for the period of time between the schedule date of shipment/despatch and the actual date of shipment / despatch. For this purpose, the schedule date of shipment/despatch shall be as identified in line with provisions of Time Schedule, Appendix-IV to the form of Contract Agreement.	However if the delay in "shipment/despatch/work execution" have occurred for reasons not attributable to the Contractor, for determination of "Subscript '1'", "date of shipment" shall mean " shipment/despatch/work execution " and the Price Adjustment calculations shall be made accordingly. The same deviation shall be applicable for Price Adjustment for :- a. Installation works (Cl. No viii.b of GCC, Vol-1/sec-VI / Appendix-2). b. Civil Works (Cl. No ix of GCC, Vol-1/sec-VI / Appendix-2). c. Structural Works (Cl. No x of GCC, Vol-1/sec-VI / Appendix-2).	As per NIT documents.
11	BFP, sec VI	Appendix-3; Page 48/ Cl. No. 4	Insurance to be taken by the Contractor: Upon grant of extension of time for completion by the Employer, the Contractor shall promptly furnish documentary evidence to project Manager towards extension of insurance policies for the period of extension.	If the insurance has to be extended due to extension of the scheduled completion period for reasons not attributable to the Contractor, the Employer shall reimburse any additional cost incurred by the contractor as a result of such extension, based on submission of documentary evidence.	As per NIT documents.
12	BFP, sec VI	Appendix-6; Page 56/ Sl. No. 1	SCOPE OF WORKS AND SUPPLY BY THE EMPLOYER Space : Construction power:- The supply of electricity for the purpose of Contract shall be of chargeable basis as per prevailing rate at site. Commissioning power: - Free of charge to the Contractor. Further distribution lies with the Contractor. Water: - Free of charge to the Contractor. Further distribution lies with the Contractor.	Space : - We understand that space for Contractor's office, storage area, preassembly and fabrication areas, toilets, labour colony, etc will be provided free of cost by the Employer. Similarly we also propose that free supply of Construction, commissioning power and water shall be provided by the Employer at a single point at site. Further distribution of the same shall lie with the Contractor.	As per NIT documents.
13	BFP, sec VI	Appendix-8; Page 63/ Cl. No 3.03	Liquidated damage – non-attainment of functional guarantee: LD cap for non-attainment of functional guarantee = 25%. Overall cap of LD (for delay and non-attainment of functional guarantee) – Not mentioned.	We propose, LD cap for non-attainment of functional guarantee = 5%. Overall cap of LD (for delay and non-attainment of functional guarantee) – 7.5%.	As per NIT documents.
ELECTRICAL QUERIES					
1			Electrical System / Equipment	MBE Proposed that From ACDB Power shall be provided for cater the Vanilation loads, AC loads & other power feeder arrangment for electric Hoists, Elevator & Welding outlet.	After award of contract to the successful bidder during detail engineering,it will be discussed.

2			Description of Cable trays fitting & Accessories	MBE proposes that, i)Cable Trays will be vertically placed in conveyor Tunnels, Conveyor gallaries & TPs mostly having a clearance of approx. 2 mtr. From Finished Flor Level,	Overhead cable trestle shall be at a clear height of 3mtr from ground level as per NIT. Refer clause No.1.7 (Sheet -2 of 3) of Volume II,Section D 2.01 . For Designe Criteria of cable rack shall be as per clause No. 4.02.00 (page-11 of 83) of Volume II,Section D 3.01.
3			Trenches	MBE - Proposed that cable trenches in MCC room	Cable spreader room shall be at MCC Room ground floor (Pl see Clause No.Vol-II,Sub Sec-D2.03,Sl. No.1.30 (Page 5 of 6) and design criterion of cable rack shall be as per tech sprc Vol-II Sec D3.01 Clause 4.02.00(Page 11 of 83)
4			Welding recpticals	50 Mtr apart for each conveyor,	Acceptable.
C&I					
1	Serial no.2.02.50.00 of DVCDoc. No.DVC/EDCON/ RTPS-PH-II/CHP VOL.II SEC-C.2			For temperature measurement RTD will be considered for HT Motor but Temperature transmitter has to be considered or not for the connectivity with Purchaser's DCS. Please clarify.	To be Finalised during detailed Engg
2	Serial no.1.10.00 of DVC Doc. No. DVC/EDCON/RTP P-PH-II/CHP VOL.II,SEC-D.1.06			Pull cord switch & Belt sway switch will be addressable type or Non-addressable type. Please clarify.	Addressable type
3	SerialNo.3.00.0& 5.00.0(G) of DVC Doc. No.DVC/EDCON/ RTPP-PH-II/CHP			Bunker level transmitter will be in Bidder's scope or excluded from Bidder's scope. Please clarify.	Bunker level under employer scope
4	Serial no.1.10.04 of DVC Doc. No. DVC/EDCON/RTP P-PH-II/CHP VOL.II,SEC-D.1.06			Type of Chute Block switch has not been specified in the Spec. RF type Chute Block switch can be considered. Please clarify.	RF Type can be cosidered
MECHANICAL					
1	Drawing of conveyor profile (drg no. 9586-109-POM-F-003, rev- 1,Sheet 1 of 2),			Depth of wagon tippler building[EL(-)13.5m] is not sufficient. It should be EL(-) 19.5 m.- Pl. clarify.	Tender drawing is tentative
2	Drawing of conveyor profile (drg no. 9586-109-POM-F-003, rev-1, sheet 1 of 2),			Depth of TP-17 building[EL(-)12.7m] is not sufficient. It should be EL(-) 18.5 m.- Pl. clarify.	Tender drawing is tentative
3	Drg no. 9586-109-POM-F-003,rev-1, sht 1 of 2 & 2 of 2.			Pl. furnish the dimension of all buildings which are not mentioned in the conveyor profile.	Layout in Auto CAD is attched.

4	Drg no. 9586-109-POM-F-003, rev-1, sheet 2 of 2),			In the drawing of conveyor profile travelling tripper conveyor inclination is 16.21 deg. But as per NIT, maximum conveyor inclination is 16 deg.-Pl. clarify.	Conveyor inclination for pre crushed coal is 14 degree Max.and after crushed zone iw shall be 16 degree Max
5	Drg no. 9586-109-POM-F-004,rev-1),			In the Typ. conveyor cross-section C-C distance of conveyor BC-16A/B,17A/B,18A/B is shown as 4500 mm. But It should be 3300 mm as given for other double conveyor (except for conv BC-15A/B). Pl. confirm.	Confirmed
6				Counter weight material will be RCC- Pl. confirm.	As per Tech.Spec.
7				It seems from the technical specification that mobile equipments such as pay loader, bull dozer & diesel locomotive etc. are not in scope of supply of this proposal- Pl. confirm.	As per Tech.Spec.
STRUCTURAL					
1	Vol - II Section –D-3.01 CHP System	Page 13 of 83, CL. 4.02.00	Overhead / Gr. Conv. Gallery & Trestles- Trestle column / ground conv. portal column base shall be kept 1500 mm higher than Existing ground level in CHP area.	Please confirm the Trestle column / ground conv. portal column base shall be kept 500 mm higher than Existing ground level instead of 1500mm in CHP area.	As per Tech Spec.
2	Vol - II Section –D-3.01 CHP System	CL. 4.03.00-Transfer House (Page 13 of 83)	"The Over ground portion of all transfer houses shall be…side cladding(from lowest working floor level till top) and R.C.C. floors…0.9m above finished plastered on both sides".	Please confirm that whether Metal Cladding (on sides) extent can be considered from top (roof) up to the last working floor(with equipment/facilities etc) of High Transfer Houses(e.g.TP-21 to TP-25) and the remaining Part/Height of building below working floor up to Ground can be kept Open (Uncladded).	As per Tech Spec.
3	Vol - II Section –D-1.06	Belt Conv. System, CL. 2.9.1(c) Side walkway width (Page 17 of 18)	For single conv. the width of side walkway shall be 800mm on one side and 1100mm on other side" but in Typ Conv. gallery / Tunnel cross section Drg. No. 9586-109-POM-F-004 R-1 for Single Conv. cross section Conv. No. BC-25,26 the walkway width shown 1000mm in both side.	Please confirm the width of side walkway shall be 800mm on one side and 1100mm on other side.	As per Tech Spec.
UTILITIES					
1	Vol.-II, Sec.-C.2	2.03.03 page 31of 38	Water Supply for DS, SW, PW System shall be provided at one location by the employer near crusher House	We have considered one set (1W+1S) make up water pump to supply water from Pump House-A near Crusher House to Pump House-B near Wagon Tippler Complex. ---------Please confirm.	As per Tech Spec.
	Flow Diagram for Coal Handling Plant (Drg. No.		Shown two nos. Pump House near Crusher House & Wagon Tippler Complex respectively.		As per Tech Spec.
2	Vol.-II, Sec.-D.1.09	page 1 of 21 1.01.03	Plain Water DS System at all Transfer Points & Crusher House	Please inform which system to be considered	Dry Fog DS System at all Transfer Points & Crusher House
	Vol.-II, Sec.-C.2	page 19 of 38 (c) 2.02.32	Dry Fog DS System at all Transfer Points & Crusher House		As per Tech Spech
3	Vol.-II, Sec.-D.1.1	page 4 of 33 1.01.09	For track hopper DS system it has been mentioned that, each zone, min. one sub header of 12.5 mtr length on either side of Track Hopper to be provided.	Length of Track hopper is 250 mtr. You ask to provide 20 nos. zone. Hence we opted to provide 12.5 mtr long sub header. ---------Please confirm	For track hopper DS system it has been mentioned that, each zone, min. one sub header of 12.5 mtr length on either side of Track Hopper to be provided.
	Vol.-II, Sec.-D.1.09	page 4 of 21 1.05.02	For each zone, min. one sub header of 15 mtr length each on either side of Track Hopper		
4	Vol.-II, Sec.-D.1.1	page 6 of 33 2.01.10.1 (c)	Service water System In this clause it is stated that - No. of Pumps: 4 Nos. (2W+2S) [as per Layout]	Nothing found in Layout. However we propose to use 2 Nos. (1W+1S) pump at pump house near Crusher house to cater entire CHP . --- Please confirm.	As per Tech.Spec

5	Vol.-II, Sec.-D.1.1	page 6 of 33, 1.01.09 (d)	Venturi scrubber for Crusher House & Dry type roof mounted for bunker floors	Spec. asked for dry type DE system at Bunker but Wet type at Crusher house. We propose to use Dry type DE System at Crusher House also. In case of dry type DE we can avoid coal wastage as the arrested coal (approx 2.0 tonne Per hour considering double stream operation) can be disposed off to main stream through chute. In case of wet type DE system the arrested dust will be disposed off in the form of slurry and handling of this slurry also will create additional problem apart from heavy maintenance and wastage of coal. Also there will be a huge requirement of water for regular operations of this system and the same can not be reuse easily. ---------Please confirm	As per Tech.Spec
6	Vol.-II, Sec.-D.1.1	page 6 of 33 2.01.12 (B)	Pressurized Ventilation System, Minimum 15 supply air changes per hour	Which to be considered.	Pressurized Ventilation System, Minimum 15 supply air changes per hour
	Vol.-II, Sec.-D.1.10	page 8 of 11 1.2.1	Pressurized Ventilation System, No. of air changes per hour not less than 20		
7	Vol.-II, Sec.-D.1.10	page 1 of 11, 1.02.02	Ask for both supply & exhaust air system for Pressurised Ventilation System	Over pressure inside the room is practically not possible if exhaust air system is provided in the same room. We propose not to provide exhaust air fan in pressurized Ventilated area. --------- Please confirm	As per clause 1.02.02
	Vol.-II, Sec.-D.1.10	page 2 of 11, 1.03.02			
8	Vol.-II, Sec.-D.1.10	page 7 of 11, 1.06.19	….. ..HDPE fabric with continuous water spraying……	Tender spec. calls for Dry air ventilation system (no Air Washer Unit is required) hence this is not applicable here. However a tapping point from SW system may be arranged nearby for periodic cleaning purpose of the Filters.	As per Tech. Spec
9	Vol.-II, Sec.-D.1.10	page 2 of 11 1.03.03.01	Air conditioning packaged units (PAC) with air cooled condensers shall be provided for Control Room	For control rooms having heat load 15 TR & above we will consider Air Cooled Package AC (2x100%) with GI ducting. Below 15TR heat load high wall Split type AC (2x100%) will be considered. ---------Please confirm.	As per Tech. Spec

Bidder-11

SL. NO	**Section-Part/Sub-Section/ Page/Clause**	**clause & page no.**	**DESCRIPTION**	**Querries**	
1	Drg- no -9586-109-pom-F-003,Rev-1,Ga of conv BC-1,BC-2,BC-3 & BC-4		Bunker Opening	Please clarify Bunker Opening size & Bunker opening through The Bunker or not.	Bunker opening is 800 mm and Sealing belt is of 1000mm
2	-		Stock Pile	Please clarify, Length of the stock pile	Layout in Auto CAD is attched.
3	Section 11D5 (Chute & Hopper)	Clause no-1.04.07),page 4	Actuator rating Shall not be less than 3500 kg with a lever arm of 1.0 m in any case	Adhering to lever arm of 1 m is not possible in all case, Bidder will provided lever arm depends on requirment	As per Tech. Spec

4	Vol.II Sec-C-2,	Clause no 2.01.02 & Page no-(Vii)	Conveyor BC-24 shall also feed the coal after regulating the Flap gate of Conveyor BC-24(FG-26) at TP-19 TO CONVEYOR BC-25 (1600 TPH max) & balance coal to yard Conveyor RYC - 2 for stacking coal.	Please clarify whether it will be Flap gate (FG 26) Optional or Diverter	Motorised Flow divider in place of Flap Gate.
5	Drg- no 9586-109-POM-F-001(Flow Diagram for coal handling Plant)		Chute & FG	Please Clarify Chute with Flap gate for Conveyor 3A/B to BF-3 & 13A/B to BF-3 Will be Bidder Scope or not	Drawing of Exiting TP-3 is attached herewith.
6	-		Traveling Tripper Chute & Flap Gate	As per Flow diagram it has shown Tow way Chute but as per Technical specification it has indicated Three way chute . Please clarify it will be Two way or Three way.	Three way chute
7			CIVIL QUERY	1. Soft copy of the plant Layout 2. Wagon tippler layout with dimension 3. Misc buildings sizes 4. Arrangement of coal stock area not given in tender dwg (though mentioned in spec that it will be as per tender dwg). 5. Size of Transfer towers & other plant buildings (some dimensions are given some are missing). Also confirm layout of conveyor system will be same as per tender. 6. Also furnish conveying material LL & wt of conveyor belt supporting structure.	Layout in Auto CAD is attached.
8			COMMERCIAL QUESTIONNAIRES	1. BIDDERS QUALIFING WITH ITB CLAUSE NO. 7.1.1.B, --NO JDU FORMAT FOR DESIGN AGENCY	The same JDU as provided in Form No. 11 of BFP(Section - VI of Volume-I) shall be used .
				2. IN JDU FORMAT THE PACKAGE NAME IS WRITTEN AS WAGON TIPPLER PACKAGE	Bidder shall replace the same by Coal Handling Plant Package.
				3. STAMP PAPER OF APPROPRIATE VALUE STANDS FOR RS.?	Please refer GCC clause 13.3.4 of NIT
				4. IS THIS A DEEMED EXPORT PROJECT	Please refer IFB Clause 6.0, ITB Clause 10.5.0 & 10.5.1 and Clause 4.2 of Bid form of BFP.
				5. CAN WE CONSIDER SUPPLY OF STRUCTURAL STEEL IN SCHEDULE-II OR TO BE CONSIDERED IN SCHEDULE-IV	Schedule-4 as per ITB Clause 10.3
				6. AS PER CLAUSE 14.2 SALES TAX ON DIRECT TRANSACTION WILL BE REIMBURSHED BY PRUCHASER FOR EQUIPMENT & MANDATORY SPARES.	Sales Tax on the direct transaction between the Contractor & the Employer for Equipment & Mandatory Spares under Schedule-2 will be reimbursed at actual on the value limited to as quoted in the Schedule-7, on submission of documentary evidences at the time of supply.
				7. MATERIAL DESPATCH FROM SUB VENDOR TO DVC SITE, CST TO BE INCLUDED IN BASIC PRICE	For the bought out items which are despatched directly by the sub-vendor/assignee's sub-vendor (if applicable, in case of foreign bidder) to the project site shall also be quoted as EXW basis and are inclusive of all taxes, duties, levies, cess, etc. but only exclusive of Entry Tax.
				8. PAC WILL BE GIVEN FOR EXEMPTION OF E.D. TO ALL LEVEL OF VENDORS	PAC will be given as per provisions of relevant notifications of Govt of India..
				9. VAT IS REIMBURSHABLE?	Please refer GCC clause 14.0 as a whole
				10. AUTOCAD DRAWING OF THE LAYOUT	Layout in Auto CAD is attched.
1	DUST EXTRACTION SYSTEM	DRY TYPE DUST EXTRACTION FOR BUNKERS	BASIS OF BUNKER VOLUME CALCULATION NOT MENTIONED	I) AS PER 12 AIR CHANGE OR II) 2CFM PER TON PER NO OF BUNKERS.	As per Tech Spec.

2	MECHANICAL VENTILATION SYSTEM	FOR UNDER GROUND AREA	BASIS MENTIONED IN THE SPECIFICATION I. Not less than 20 supply air changes & 10 Exhaust air changes	GENERALLY THE BASIS REQUIRED FOR UNDER GROUND TUNNEL AREA SHALL BE AS UNDER I. Not less than 15 supply air changes & 7 Exhaust changes	As per Tech Spec.
		FOR OVER GROUND AREA	BASIS MENTIONED IN THE SPECIFICATION I. Not less than 10 supply air changes & 7 Exhaust changes	ACCEPTABLE	As per Tech Spec.
3	PRESSURIZED VENTILATION SYSTEM	MCC/SWITCHGEAR ROOM	BASIS MENTIONED IN THE SPECIFICATION Centrifugal fans - FOR SUPPLY AIR Axial Fans-FOR EXHAUST AIR	FOR EXHAUST AIR: GRAVITY LOUVER TYPE AIR LOVER CONSIDERED	As per Tech Spec.
			FOR PRESSURIZED VENTILATION MENTIONED IN THE SPECIFICATION AIR CHANGE FOR SUPPLY AIR- NOT LESS THAN 20/HR AIR CHANGE FOR EXHAUST AIR- NOT MENTIONED		As per Tech Spec.
			TYPE OF PRESSURISED VENTILATION SYSTEM- NOT MENTIONED IN THE SOECIFICATION	DRY TYPE PRESSURISED VENTILATION SYSTEM CONSIDERED. ROOM PRESSURE CONSIDERED +2 MMWG FROM ATMOSPHERE, AND TEMPERATURE RISE CONSIDERED MAX +3 DEG C FROM ATMOSPHERE.	As per Tech Spec.
4	AIR CONDITIONING	2x100% capacity air conditioning packaged units (PAC) with air cooled condensers shall be provided for Main Control Room , S & T Control room , wagon tippler control room, office room of Main Control Room & S&T control room complete with supply and return air ducting for the above areas.	1. FOR MAIN CONTROL ROOM - PAC WITH AIR COOLED CONDENSER 2. S & T CONTROL ROOM - LOCATION DETAILS REQUIRED 3. WT CONTROL ROOM & OFFICE ROOM- PAC AC 4. MAIN CHP OFGFICE ROOM- PAC AC	1. FOR MAIN CONTROL ROOM - PAC WITH AIR COOLED CONDENSER- ACCEPTABLE 2. WT CONTROL ROOM & OFFICE ROOM- WALL MOUNTED SPLIT AC AS COOLING LOAD IS LOW 3. MAINCHP OFFICE RROM - WALL MOUNTED SPLIT AC AS THE COOLING LOAD IS LOW	As per Spec.
		MCC room of S/R, operator's cabin of S/R. - WINDOW TYPE AC	ACCPTABLE	-	As per Tech.Spec.

Bidder - 12

MECHANICAL QUERIES

Sl.No.	Vol/Sec	Clause No.	Description	Queries	DVC's reply
1	Drg No: 9586-109-POM-F-002:Rev.0		PLOT PLAN	Kindly furnish AUTOCAD copy of plot plan to measure exact lengths of conveyors since it is not readable.	Layout in Auto CAD is attached.

2	Vol. II Sec-D.1.1 Drg.No.: 9586-109-POM-F-001,Rev 0	2.01.03 Page 3 of 33	Coal Crushers & Roller Screen Feeders Guaranteed (rated) capacity (considering 100% feed coal above (+)20 mm size) : 1200 MTPH Capacity of roller screen : 1100 TPH/1210 TPH Capacity of roller screen : 1200 TPH/1320 TPH	In view of this, We request DVC to confirm the capacity of roller screen as well as crusher capacity.	Capacity of roller screen : 1200 TPH/1320 TPH
3	Vol. II Sec-D.1.14	1.02.10 Page 3 of 6	Bunker sealing arrangement: The sealing belt shall…… provided over the bunker slot on tripper floor for tripper conveyor as shown in the tender drawing for tripper conveyor…….	Bunker slot width is not shown in the tender drawing hence we request DVC to furnish bunker slot width for us to decide width of bunker sealing belt.	During Detail Engineering
4	Drg.No.: 9586-109-POM-F-001		Service air system and service water system shall be considered at every transfer points and crusher house etc.	We feels that either of service air system and service water system for transfer points in CHP is sufficient and many customers also following same way including NTPC. Hence, we request DVC to review the same	As per Tech Spec.
5	Vol. II Sec-D.1.1	2.01.10.2 Page 6 of 33	Service air system : As specified elsewhere in the spec.	If service air system for dust control in all TPs shall be provided, kindly furnish the specifications for the same since it is not given anywhere in the tender specifications.	During Detail Engineering
6	Drg No: 9586-109-POM-F-003:Rev.1 Conveyor Profiles		Notes: Sl.No. 5. Transfer house dimensions mentioned are minimum	Customer to note that building dimensions will depend on equipment sizes which are vendor dependent. Some of the building dimensions like TP-15, TP-18 are mentioned on higher side & also all dimensions of some of the building like TP-16,17 &19 are not mentioned. In view of this, we understand that dimensions mentioned should be tentative only not minimum. Hence we request customer to once again review and confirm the same.	Tender drawing is tentative only.
7	Vol. II, Sec-D.1.1	4.20.00, Sl.No.2 Page 33 of 33	Blending can be achieved by Chevron process through either of the two (2) S/R Machines in the Plant.	We request customer to explain what is meant by "chevron process" as mentioned in tender specifications.	As perTech.Spec.
8	Vol. II Sec-C.2 Drg No: 9586-109-POM-F-006,	2.01.02 Page 11 of 38	Track hopper of 6000 Tonnes holding capacity. GA of track hopper	Track hopper capacity is coming more than 6000T as per the dimensions mentioned in GA drawing. Hence, We request customer to once again review the track hopper dimensions as mentioned in GA drawing against of specified hopper capacity i.e 6000 T.	As perTech.Spec.
9	Vol. II Sec-C.2 Drg No: 9586-109-POM-F-001,	2.01.02, (iv) Page 12 of 38	Two numbers Belt Scale (Belt Weigher) shall also be provided, one each on Conveyor BC- 16A and BC- 16B As per flow coal flow diagram, 2 Nos belt weighers shall be provided on 18A/B.	Please clarify the contradiction in location of belt weigher to be considered by bidder.	Two numbers Belt Scale (Belt Weigher) shall also be provided, one each on Conveyor BC- 16A and BC- 16B

10	Vol. II Sec-D.1.06 Drg No: 9586-109-POM-F-004:Rev.1	1.12.03 Page 9 of 18	Clear side and central walkways for double streams conveyors shall be 800mm and 1100mm wide respectively. The side walkways for single conveyors shall be 800 mm on one side and 1100mm on the other side Typical conveyor gallery and tunnel cross section	8m tunnel width for conv Nos. 16A/B,17A/B & 18 A/B is sufficient for 1600MM belt width conveyors considering clear side and central walkways for double streams conveyors as 800mm &1100mm wide respectively. However, tunnel width for conveyor 15A/B should be 9.2m because it has to get feed from paddle feeder. Hence we request customer to review the same.	As per Tech.Spec.
11	Vol-II sec III d-01	5.01.00 19 of 83	Coal settling pond	We request customer to confirm whether coal pile run off pond/coal settling pond is in bidder's scope or not. If it is in bidder's scope, please furnish the dimensions of the same.	As per Tech.Spec.
12	Drg No: 9586-109-POM-F-002:Rev.0		Plot plan: CHP OFFICE CUM MAINTANANCE BUILDING	Please confirm whether CHP office cum maintenance building is in bidder's scope or not. If it is in bidders' scope, please furnish the dimensions of the same to be considered by bidder.	1000 Sq mtr double storied building
13	DVC/EDCON/RTPS-PHII/CHP Vol.I Sec-I, IFB	7.1.9 Page 12 of 14	**NOTES for Financial clause no. 7.1.9 above** iii) For unutilized line of credit for fund based and non-fund based limits and turnover indicated in foreign currency, the exchange rate as on 7days prior to the date of bid opening shall be used.	In view of this, please clarify whether bidder has to furnish unutilised line of credit certificate for fund based and non-fund based limits along with the bid or not. If it is required, kindly mention the unutilized line of credit limit value to be maintained by bidder	Yes, bidder has to furnish unutilised line of credit certificate for fund based and non-fund based limits along with the bid. Bidder has to satisfy the Net working capital/access to credit facilities as per QR Clause No. 7.1.9(c) .
14	Vol.I Sec-VI, BFP	Page 76 of 92	**11. FORM OF DEED OF JOINT UNDERTAKING (ON NON JUDICIAL STAMP PAPER OF APPROPRIATE VALUE)** ……be held jointly and severally responsible and bound unto the Employer for successful performance of …… under **Wagon Tippler Package** for its Raghunathpur Thermal Power Station, Phase-II (2X660MW) as specified in its Bidding	Please clarify what is meant by "wagon tippler package" as referred in JDU.	It should be read as "Coal Handling Plant Package"
15	DVC/EDCON/RTPS-PHII/ CHP Vol.I Sec-I, IFB	7.1.2 Page 10 of 14	Bidder should have designed, manufactured, supplied, erected and commissioned including all associated structural steel works and electrical works at least one (1) number cantilever boom type, slewable and luffable, bucket wheel type traveling Stacker-cum-Reclaimer suitable for stacking and reclaiming at a rated continuous capacity of 1000/1000 Metric tonnes per hour (or above) for coal or other mineral of equivalent volumetric capacity which should have executed during last ten(10) years and which have been in successful operation for at least one (1) year prior to the date of Techno-Commercial bid opening.	1. As many SCR manufacturers are also participating in CHP tender directly to DVC, we do not get much support for tie up from these vendors at this stage and also as a public sector unit, this process is very time consuming. Due to this we feel this PQ is restricting our competitiveness as a CHP bidder. We confirm that we will supply SCR from any one of the approved makes of DVC. We also ensure that we will sign JDU with "**THE**" SCR vendor after award of contract. **Request DVC to amend PQ accordingly.** 2. Please clarify whether Bidder's Associate for SCR can also participate for the complete tender directly to the DVC or not. 3. Also clarify whether bidder's associate for SCR is free to associate with multiple bidders for the same equipment i.e. SCR or not.	PQ can not be ammended,Bidders have to follow QR requirement.

16	Vol.I Sec-II, ITB	23.4(b) Page 22 of 32	**Functional Guarantees of the facilities** The lowest total guaranteed power consumption for any bidder shall be taken as the base and total power consumption figure for a particular bidder being evaluated shall be equalized by a differential price factor of US $ 1849 (US dollars one thousand eight hundred forty nine) for each KW of excess power consumption over the base figure.	We request customer to review the price factor specified in tender specifications since it seems to be very high when compared to other direct tenders and also confirm whether it is same for auxiliary power loading as well as liquidated damage for increase in guaranteed power consumption.	As per Sepecification
CIVIL QUERIES					
1	Vol-II sec III d-01	5.01.00 19 of 83	Coal settling pond	Please furnish specification for coal settling pond	It is not in Bidder's scope
2	Vol-II sec III d-01	28.00.00 63 of 83	CHP road	Please indicate the road under the scope of CHP package in plotplan.	Main Road as per Revised Plot Plan and approach road to all facilities under CHP is in the Bidders Scope.
3	Vol-II sec III d-01	4.05.00 14 of 83	R.C.C retaining wall on both sides of the S/R foundation shall be provided as shown in the tender drawing.	The drawing showing the details of retaining wall is not available with the tender document. Pls. furnish the same.	Please see the Revised drawing
4	Vol-II sec III d-01	27.02.01 62 of 83	Structural steel	Pls. confirm whether tublur sections can be used as structural steel.	No, As per Tech.Spec

Bidder - 13

Sl.No.	Vol/Sec	Clause No.	Description	Queries	DVC's reply
MECHANICAL- EQUIPMENTS - CLARIFICATION					
1	Technical Specification .Vol-II, Sec-D.1.20,	Clause No: 5.10.01 Page 6 of 8	Side support beam shall be provided with rubber pads …. of minimum 50 mm Thick.	As per latest G33 Rev-1 of RDSO ,The contact between side support beam and wagon will be steel on steel, No sepearate rubber liner can be used on moving side pad. Hence 50 mm thick rubber pad is not considered on movable side beam. Please confirm.	Confirmed
2	Technical Specification .Vol-II, Sec-D.1.20,	Clause No: 2.2.9 Page 8 of 8	Wagon tippler Main drive Brake…. Electro Hydraulic thrustor operated	Wagon tippler main drive are with hydraulic motor having in built fail safe brake is provided inside the motor. Hence no separate electro hydraulic thrustor brake is not envisaged. Please confirm.	Confirmed
3	Technical Specification .Vol-II, Sec-D.1.20,	Clause No: 1.01.03 Page 1 of 8	The rake comprising of 59 number 140 t loaded wagon……	Rail track layout drawing is required for finalisation of SAC tractive effort .	Layout in Auto CAD is attched.
4	Technical Specification .Vol-II, Sec-D.1.22,	Clause No: 4.07.01 Page 2 of 4	SAC drive arrangement will be provided with hydraulic motor in combination with gear box ……	Direct driven hydraulic motor is always superior than gear box connected hydraulic motor. So please confirm whether direct driven hydraulic motor is acceptable.	Accepted.
ELECTRICAL SYSTEM CLARIFICATION					
1	Vol. II-A, Section-C, ,	Page 5 OF 38/ CL.NO.:1.02.00/ (A)	ELECTRCAL SCOPE In Electrical scope it is mentioned instrumentation cable is under C&I scope of supply.	We request to clarify whether Instrumentation cable is in CHP package scope or C&I package scope.	The scope of Instrumentation cable of CHP package are under the scope of CHP bidder as detailed in the spec under Tech spec under C&I and as per drawing No : 9586-109-POI-Q-001 sh1,2 of 2 in Vol-III(C&I)
2	Vol. II, Section-C.2,	Page 25 OF 38/ CL.NO.:2.02.49.1 1 (a)	Control System- All drives related to CHP including conv., sump pump, DS ……shall be controlled through microprocessor based Distributed Control System (DCS) being procured by employer under separate package (Station C&I Package)		

3	Vol II/ Sub Sec D2-02	Sheet 1 of 10 / 1.1	Supply (instrumentation cables are in c&i scope)	In exclusion list, there is no mention of instrumentation cable being excluded from CHP package vendor scope. Kindly clarify	The scope of Instrumentation cable of CHP package are under the scope of CHP bidder as detailed in the spec under Tech spec under C&I and as per drawing No : 9586-109-POI-Q-001 sh1,2 of 2 in Vol-III(C&I)
4	Vol-II Sec C-2	Page 34 of 38 / Cl.No.: 2.04.07 & 08	Exclusions		
5	Dwg. No.: 9586-109-POI-Q-003		Stacker Reclaimer Configuration Diagram - For connectivity to Station (C&I) pkg. connection from LIU of Stacker Reclaimer PLC to DDCIMS through FO Cable by station (C&I) Vendor.	It is not clear regarding what has to to be provided for connection of SR of PLC with main CHP PLC. We are proposing a control cable reeling drum on machine with trailing control cable for connecting SR PLC with main CHP PLC. Kindly clarify	To be finalised during detailed engg as per technical spec
6	Vol II- Sec-2	Cl.no.: 2.02.49.11- (C) Page 25 of 38	Connection of WT and SR PLC shall be through ethernet (opc compliant).		
7	Vol-II Sec-D / 1.19	Page 4 of 11 Cl.No.: 3.19.00	Separate motorized cable reeling drum for power and control.		
8	Vol. II-A, Section-C,	Page 5 OF 38/ CL.NO.:1.02.00/ (A)	ELECTRCAL SCOPE DCS / PLC and UPS System for CHP System shall be unde (C&I) scope	Is UPS for Stacker Reclaimer & Wagon Tippler PLC is under C&I scope or with CHP package. Kindly clarify	UPS for SR & WT PLC is under CHP Vendor's scope as stated in C&I Tech spec(P-3/46)
9	Dwg. No.: 9586-109-POI-Q-004		Wagon Tippler Configuration Diagram - WT PLC in MCC-1A	We understand that PLC is located in MCC-6 as mentioned in Vol-II / Sec-C.2/Page 27 of 38 Cl. No.: 2.02.51.00. Kindly clarify whether it is MCC-1A or MCC-6	
10	Dwg.No.: 9586-109-POI-Q-001 -		Instruments and Instrumentation cabling philosophy of station (C&I) and CHP Package Vendor for Main CHP Package	Kindly clarify the following i) Who is Off-site package vendor and what is his scope? ii) Who is Station C&I package vendor and what is his scope? iii) As per this drawing all control cables/ FO cables between MCC/SWGR panel and CHP DDCIMS panel and relay panel is in station C&I vendor scope. Is this includes supply, laying and termination. Kindly clarify. iv) Purpose of RIO/RPU is not clear. Where it is used v) Whose scope is to terminate control cables for connecting field drives with relay cabinet at relay cabinet side.	i) CHP package will be off site package vendor ii) Station C&I package vendor is not yet finalised iii) ,iv) v) All queries are detailed in the technical spec as well as C&I tender drawing.
11	Vol II- Sec-C.2	Cl.no.: 1.02.00 - (A) 5 of 38 /	Electrical Scope- All outdoor JBs shall be of FRP / die cast aluminium make with IP-65 degree of protection.	Kindly confirm which has to be followed.	Die cast aluminium make with IP-65 degree of protection.
12	Vol - II / Sec C.3	Page 31 of 38 / Cl.No.: 22.00.00	JBs shall be of Sheet Steel with IP-55		
13	Vol II / Sub Sec D2-02 /	Sheet 1 of 10 / 1.1	Supply-All outdoor JBs shall be of FRP / die cast aluminium		
14	Spares List			In mandatory spare list items for total CHP Package (including those procurred by employer and those in station C&I vendor's scope) is indicated. However, we have considered the spares only for those items which are in scope of CHP Package vendor.	Spares shall be as per CHP PKG list.
15	Vol - II / Sec D.1.02 /	Page 4 of 7/Cl. No. 22.00.00	Paddle feeder control panel shall be provided at a lower height such that panel can be operated from the walkway	Paddle feeder control panel shall be provided on top of the machine. Local Push Button Station can be provided which can be operated by operator standing on the walkway.	As per tech spec.
16	Vol-II / Sub Sec D2.05 /	Sheet 5 of 26/Cl. No. 3.01.08	SR machines two nos dry type tfr shall be provided	We understand that there shall be only one transformer for one SR machine.	one TR. for one S/R machine of suitable capacity.

17	Vol II / Sub Sec D2.06 /	Sheet 5 of 36 / Cl. No.: 4.06.00	Incubicle rating of incomer breaker shall be identical to associated busbar rating.	Busbar is sized based on the secondary current of the transformer. The rated current of the busbar and breaker shall be same. However the breaker is selected slightly of higher rating to compensate the heat dissipation when kept inside the panel(in-panel rating). Hence the busbar and breaker ratings need not be identical but both shall be suitable to carry the rated current. Kindly confirm.	Busbar rating is finalised based on the Sec. current of Transformer + 20% margin and the I/C , B/C Breakers shall be identical to the associated busbar ratings. (Busduct rating shall also be of same capacity).
18	Vol II / Sub Sec D2.06 /	Sheet 5 of 36 / Cl. No.: 5.01.01	Design shall be such that it should permit extension on either side	This is not required in SR machine, as there will not be any future extension in machine	Accepted.
19	Vol II / Sub Sec D2.06 /	Sheet 5 of 36 / Cl. No.: 4.11.00	Bus PT and line PT for MCC shall be in separate vertical	Bus PT and line PT shall be kept in same vertical as of incomer in SR MCC because of space constraint in machine E House.	Manufacturers practice may be acceptable.
20	Vol II / Sub Sec D2.06 /	Sheet 10 of 36	MCC / DB Modules	MCC modules in SR machine shall be non-drawout type.	Fixed Type
21	Vol II / Sub Sec D2.06 /	Sheet 5 of 36 / Cl. No.: 5.12.00 / (g)	Relay parameterization and downloading data from relay shall be possible from HMI and PLC / DCS.	Relay parameterization and downloading data from relay shall be possible locally from relay.	Locally from relay as well as from SR PLC.
22	Vol II / Sub Sec D2.06 /	Sheet 5 of 36 / Cl. No.: 5.12.00 /	Technical Requirement-Relay shall have drawout feature	Relay on machine shall be non drawout type.	Confirmed
23	Vol II / Sub Sec-D2.07	Sheet 4 of 22/Cl.No. 4.01.02	All motors shall be energy efficient type and conform to eff-1 category	Eff-1 category is replaced with IE category (International Efficiency) of motors as per latest IEC guideline on energy efficiency. We shall provide the equivalent to Eff-1 motor which is IE-2 motor in IE category. We shall follow the latest IS and IE guidelines for energy efficient motors as applicable.	Motor shall be EFF-1

UTILITIES QUERIES					
1	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:C.1,	SL NO:1.10.1, SHEET:10 OF 13	Source of water: The Make up water system envisaged for the raw water reservoir shall be drawn from Panchat Dam……approx length 12 Kms	We are considering terminal points for utility and potable water near proposed crusher house. Further distribution shall be in our scope. Kindly confirm.	Confirmed
2	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:C.2,	SL NO:2.03.03, SHEET:31 OF 38	Water supply for dust suppression, service water system, potable water shall be provided at one locations by the employer near the crusher house.		
3	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:C.4 ,	APPENDIX-IX, SHEET:31 OF 33	Test Method: for determining the ambient….with chemjet system and material handling system in operation on load….analyser.	We are not considering any Chemjet type dust suppression system. Kindly confirm.	As per Tech.Spec.
4	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D.1.1,	SL. NO 2.01.10.1 (C), SHEET:6 OF 33	No.of service water pumps (Min 4 Nos. (2W+2S) As per Layout	We are suggesting (1W+1S) service water pumps for total plant. If required capacity of each pump may increase to 12 no.of valves operate at a time. Kindly clarify.	As per Tech.Spec.
5	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D.1.09	SL NO:1.02.01, SHEET:2 OF 21	Scope of Plain water DS system: complete with….track hopper top, wagon tippler top, coal stock yard and paddle feeders.	We are considering plain water type DS for stacker and reclaimer DS system also with 30 min storage tank. Kindly confirm.	As per Tech.Spec.
6	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D.1.09	SL NO:1.02.01, SHEET:2 OF 21	Scope of dust suppression system	We are not considering any pollution control system at ILMS Zones. Kindly confirm.	As per Tech.Spec.
7	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D.1.09 ,	SL NO:1.02.05, SHEET:3 OF 21	Service Air system	Kindly clarify, whether Service air to be considered along the conveyor gallery. If to be considered please indicate at what interval service air tap points shall be considered. As per schematic we understood that service air tap points is required for all transfer towers. We are considering 1 no. of tap point for each floor of transfer tower and minimum two no.of tap points on each floor of crusher house. Kindly confirm.	Confirmed
8	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D.1.09 ,	SL NO:1.05.01, SHEET:4 OF 21	Compressed air system consisting of air compressors (1W+1S) for each group of DFDS system.	We are considering single compressor capacity as maximum requirement for single stream operation of below cases. A) Track hopper to stacking / bunker feeding / discharge at existingTP-3 B) Wagon Tippler to stacking / bunker feeding / discharge at existingTP-3 C) Reclaiming to bunker feeding / discharge at existingTP-3. Same capacity compressor shall be supplied as stand by. For double stream of operation, both compressors shall run with out stand by. DFDS compressed air system also used for service air purpose. No dedicated compressors and piping for service air purpose. Kindly confirm.	As per Tech.Spec.
9	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D.1.09	SL NO:1.05.11.1, SHEET:6 OF 21	Venturi scrubber system:	Kindly elaborate the scope of Venturi scrubber system. Like capacity of coal slurry pond, arrangement for automatic sludge disposal etc.	As per Tech.Spec.

10	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D.1.09 ,	SL NO:1.05.11.2, SHEET:7 OF 21	Dry type dust extraction system	Kindly confirm the design parameters for dry type dust extraction system, like DE system capacity based on bunker filling opening area (only filling bunker DE system is in operation) or bunker volume basis.	As per Tech.Spec.
11	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D1.10,	SL NO:1.02.01, SHEET:1 OF 11	Exhaust fans shall be provided for tripper floor.	Kindly clarify, whether exhaust fans to be considered or roof extractors to be considered in tripper floor. Along with design parameters like no.of air changes etc.	Exhaust fans shall be provided for tripper floor.
12	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D1.10,	SL NO:1.05.02, SHEET:3 OF 11	Roof ventilators & accessories shall be provided as required.		
13	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D1.09 ,	SL NO:1.06.07, SHEET:10 OF 21	In general ….Minimum pipe diameter selected for DS/SW/PW/CW (along with branch pipes) shall be 32 NB.	Some water systems (like Dry Fog DS) pipe sizes shall be less than 32NB to maintain minimum velocity limitations inside the pipe. Similarly we are not considering minimum pipe size restriction for service air pipe lines also. Kindly confirm.	As per Tech.Spec.
14	DVC/EDCON/RTPP PH-II/CHP VOL-II, SUB SECTION:D1.09 ,	SL NO:1.05.11.6 (vi), SHEET:8 OF 21	Electrically operated dampers shall be provided at all dust extraction points.	In general practice for DE system, manual dampers shall be provided at all dust extraction points and electrically operated dampers shall be provided as per system requirement (based on the capacity of bag filter & simultaneously working suction points).Please check and confirm.	As per Tech.Spec.
15	-		Capacity of Dust extraction and Ventilation fans.	We have considered 1 X 100% of fan capacity for DE system and Ventilation system. Please confirm.	As per Tech.Spec.
16	-		Dust suppression / dust extraction at ILMS zone.	We are not considering any type of Dust suppression /Dust extraction in ILMS zone, since it is under magnetic zone and discharge hood is open. Please confirm.	Confirmed
17	-		Water analysis report	Please furnish the water analysis report of clarified water to decide the sprinklers & nozzles for DS system.	During Detail Engineering
18	-		-	For the patent items like compressors, make of compressor shall be as per approved vendor list. Motor for the same shall be as per the compressor manufacturer recommendation. (Example Ingersoll Rand compressors are being supplied with Ingersoll Rand make motor & other inside components). Please confirm acceptability.	Confirmed
COMMERCIAL QUERIES					
1	General			Pls confirm whether land shall be provided for labour and staff colony. We request you to provide land for labor colony near vicinity of project location considering the remote location.	Please refer clause clause 1) of Appendix-6 to the From of Contract Agreement (BFP, Section-VI of Volume-1)
2	General			Please confirm whether customer will provide Water and Power for Construction on chargeable basis or on Free basis.	Please refer clause clause 2) & 5) of Appendix-6 to the From of Contract Agreement (BFP, Section-VI of Volume-1)
3	General			Please confirm whether bidder can advise their own Vendor List.	Please see Clause 8.3 (e) of ITB.
CIVIL AND STRUCTURAL					
1	General		Soil Investigation Report & Borehole layout	Please furnish the comprehensive soil investigation report and borehole layout with bore log data.	Preliminary Soil investigation Report have already furnished in NIT.However detail soil investigation is in the bidder's scope.

2	General		Topographical Survey	Please furnish the topographical Survey AutoCAD drawing with existing spot levels / contours. The available Key plan containing the contour map of CHP is not legible.	Topographical Survey Report have already furnished in NIT.
3	General		Existing TP	Kindly furnish the foundation layout, Structural GA and design calculation for existing TP-3	Drawing of Exiting TP-3 is attached herewith.
4	General		Site grading	Grading and leveling excluded form bidder scope. Please confirm	The Scope of the bidder for area grading & levelling are marked in the Revised Plot Plan.
5	DVC/EDCON/RTPP Ph-II/CHP, Vol.II Sec-D-3.01,	CL: 30.00.00, Page 72 of 83	IS 800 Code of practice for use of structural steel in general building construction.	Design of steel structures shall be as per IS 800: 1984. Please confirm	Confirmed
6	General		Rainfall intensity	Rainfall intensity of 75mm/hr will be taken into consideration but with 30minutes detention time. Please confirm.	As per Tech.Spec
7	DVC/EDCON/RTPP Ph-II/CHP, Vol.II Sec-D-3.01	CL: 4.05.00, Page 14 of 83	Stacker cum reclaimer	Expansion joint for the Stacker cum reclaimer rail beam shall be provided upto 45m intervals as per IS 456-2000 .Please confirm	As per Tech.Spec
8	DVC/EDCON/RTPP Ph-II/CHP, Vol.II Sec-D-3.01,	CL: 28.00.00, Page 63 of 83	Road	I) All main roads are excluded from CHP bidder scope. Approach roads for Individual structures connecting to main plant road only are in bidder scope. Please confirm. (II) Furnish plant main road in plant layout drawing with the cross section and levels.	Main Road under under the scope of CHP Bidder has been marked on Revised Plot Plan. Access road to facilitate all the CHP structures which is in the bidders scope are not marked in the plot Plan.
9	DVC/EDCON/RTPP Ph-II/CHP, Vol.II Sec-D-3.01	CL: 4.05.00, Page 14 of 83	Stacker cum reclaimer: Drains shall be connected to the network drainage system for finally discharge into coal settling tank. RCC drains shall be provided in Coal stockyard area with precast RCC covers	It has been mentioned that the stock pile storm water drainage water to be discharged to coal settling pond. We have assumed only the stock pile drain in our scope and coal settling pond is not in bidder's scope. Please confirm.	Confirmed
10	General		Demolition	Demolition/breaking/clearing of any existing structures excluded from bidders scope. Please confirm	Confirmed
11	General		Drainage	a) All storm water drain shall be of RCC work all around building and will be connected to the nearest main plant drain only. Please confirm. b) Main plant drain and drains connecting to coal settling pond shall not be in bidder's scope. Please confirm.	a) All storm water drain shall be of RCC work all around building and will be connected to the nearest drain runing parallel to the road which is in bidders scope . Road & Drain of CHP area are in the Bidders Scope. These drains have to be connected with the nearby Employer's existing main drain . Only Coal settling Pond is not in the Bidder's scope. b) Drain on both sides of the road and drains connecting to coal settling pond is in bidder's scope.
MECHANICAL CONV. SYSTEM QUERY					
1	DRG NO: 9586-109-POM-F-002, Rev 0 [CHP Layout Plan]		PDF copy of the drawing has been furnished by client. Proposed facilities are not legible from the drawing.	Kindly furnish soft copies of CHP Layout, Flow Diagram, conveyor profiles & gallery cross section in ACAD format.	Layout in Auto CAD is attched.
2	DRG NO: 9586-109-POM-F-002, Rev 0 [CHP Layout Plan]		-	Please advise whether any optimization/ alteration in layout and height/ size/ levels of transfer points & conveyors are permitted without disturbing your system requirement.	No, .
3	DRG NO: 9586-109-POM-F-002, Rev 0 [CHP Layout Plan]		Co-ordinates of most of the junction houses & MH-1 and MH-2 of Track Hopper-2 are not available in the drawing except for W.T. Complex, DH-2, Crusher House, TP-19 & TP-20.	Kindly furnish co-ordinates of all the junction houses alongwith TP-3 (existing) and MH-1 & MH-2 of proposed track hopper-2.	Layout in Auto CAD is attched.

	DRG NO: 9586-109-POM-F-003, Sht 1 of 2, Rev 1 [Conveyor profiles]		Length of conveyors BC-15A/B, BC-22A/B and BC-23A/B have not been furnished. Also, in absence of co-ordinates of associated junction houses, length of these conveyors could not be calculated.		
4	-		-	Mechanical & structural GA of existing TP-3 building may please be furnished in order to finalise profiles & chute arrangement of conveyors BC-25, BC-26 and BF-3 and to estimate modification/ strengthening works in this building since available views of TP-3 in NIT Profile drawing are not providing sufficient information.	Drawing of Exiting TP-3 is attached herewith.
5	DRG NO: 9586-109-POM-F-007, Rev 0 [General notes on CHP]		Note no 8 : Plinth level of all buildings & structures shall be 500mm above the adjacent ground level. All floor levels, roof levels etc. proposed in the tender drawings are with respect to this plinth level.	As per the NIT profile drawings (Drg no 9586-109-POM-F-003, Sht 1 of 2 and 2 of 2) all the junction houses apart from proposed Track hopper-2 and TP-3 (existing) are provided with 300mm high plinth above the adjacent ground level, whereas proposed Track hopper-2 and TP-3 (existing) are provided with 500mm high plinth above the adjacent ground level. Also, as per these drawings finished ground level at proposed Track Hopper-2, TP-3 (existing) and for all balanced junction houses of proposed CHP are EL(+)0.00, EL(-) 0.50 and EL(-) 0.30 respectively [EL(+) 0.00 corresponds to RL (+)154.5M]. We assume that ground levels and plinths as furnished in the NIT profile drawings are to be compiled to. Please confirm.	Please note plinth level of all the buildings and structures shall be 500mm above the adjucent ground level. Level shown in the drawings shall be ignored.
6	TECH. SPEC. SECTION-INTENT OF SPECIFICATION Clause no;		Interconnection Flow Path IIIA: Coal flow from Crusher House to BC-25 (maximum upto 1600 TPH) & rest to RYC-2 by controlling the FG-26.	Flow can not be controlled/ distributed by means of a flap gate. For that purpose, a Flow Divider should be provided in place of a flap gate. Kindly review and confirm.	Motorised Flow divider in place of Flap Gate.
	TECH. SPEC. SECTION-INTENT OF SPECIFICATION [Vol II Sec-C.2	Clause no; 2.01.02 (vii) ,Pg 16 of 38	..Conveyor BC-24 shall also feed the coal after regulating the flap gate of Conveyor BC-24(FG-26) at TP-19 to conveyor BC -25(1600TPH max) and balance coal to yard Conveyor RYC-2 for stacking coal.		
7	DRG NO: 9586-109-POM-F-001, Rev 0 [Flow Diagram for CHP]		As per Flow Diagram, yard conv RYC-2 will discharge to either of BC-25 or BC-27 by Flap gate and chutework.	Refer the Plot Plan - conveyors BC-25 & BC-27 being spaced apart by 20m, feeding to these conveyors by Flap gate & chutework will require a height of discharge pulley of RYC-2 of about 23m from plinth level. We suggest to replace the Flap gate by a Diverter gate (since division of material flow is a criteria here) and introduce a Belt Feeder BF-4 below it, such that RYC-2 will feed either to BC-27 or BF-4. BF-4, in turn, will discharge material to BC-25. Kindly review and confirm.	As per Tech.Spec.
8	DRG NO: 9586-109-POM-F-003, Sht 1 of 2, Rev 1 [Conveyor profiles]		As per this drawing, discharge end of RYC-2 has been kept at floor level of EL(+)5.0 inside TP-19.	Discharge arrangement of RYC-2 as shown in incorrect while comparing with Plot Plan & Flow Diagram. For achieving the discharge arrangement as described in the above mentioned point no 6, floor level of TP-19 supporting discharge end of RYC-2 has to be raised by about 5-6 m. This will also result in a reduction in stockpile length of RYC-2 compared to that of RYC-1.	Tender drawing is tentative only.

9	DRG NO: 9586-109-POM-F-001, Rev 0 [Flow Diagram for CHP] & DRG NO : 9586-109-POM-F-003, Sht 1 of 2, Rev 1 [Conveyor profiles]		In these drawings, an overground shed and a E.O.T. Crane have been shown over the Wagon Tippler	a) We understand that, scope of work under the propose CHP package does not include any E.O.T. Crane or overground shed on the Wagon Tippler complex. Please confirm.	As per Tech.Spec.
	TECH. SPEC. SECTION-INTENT OF SPECIFICATION [Vol II Sec-C.2]- Detailed Scope	Clause no; 2.02.00, Pg 14 of 38	This specification does not call for any E.O.T. Crane or any overground shed on the Wagon Tippler. Also, tabular details of equipment under this CHP package as furnished in the Flow Diagram does not include any E.O.T. Crane or overground shed over WT.	b) In case E.O.T. Crane and overground shed over Wagon Tippler is required, client to furnish size, required parameters and technical specification of the same.	Capcity will be decided to lift the maximumm weight of the equipment under EOT
10	DRG NO: 9586-109-POM-F-001, Rev 0 [Flow Diagram for CHP]		As per this drawing, each Travelling Tripper is equipped with 2-way discharge chute	a) in view of disputes between various NIT clauses, please clarify whether discharge chute of Travelling shall be 2-way (i.e.,without provision of self-discharge to the conveyor) or 3-way (i.e., with provision of self-discharge to the conveyor).	Three way chute
	TECH. SPEC. SECTION-D-1-14 : TT AND BUNKER SEALING ARRG. Vol II Sec-D.1.14	Clause no; 1.02.02, Pg 1 of 6	The tripper shall have provision for dropping coal from conveyor onto both sides of tripper to the bunker or back to the conveyor for the purpose of skipping intermediate bunkers.	b) In case tripper is provided with 3-way discharge chute for dropping of coal on both side of the tripper or back to the conveyor, then tripper travel can be terminated to the middle of the third bunker since the fourth (i.e., last) bunker shall be fed by the discharge pulley of conveyor itself. Please confirm.	Confirmed
11	DRG NO: 9586-109-POM-F-001, Rev 0 [Flow Diagram for CHP]		As per Table of equipment specification, rated capacity of Roller Screen is 1100 TPH.	In view of disputes between various NIT clauses, kindly clarify the Rated & design capacity of Roller creen to be considered.	Rated Capacity of Roller Screen is 1200TPH and Design is of 1320TPH
	TECH. SPEC. SECTION-D-1:01: SYSTEM PARAMETERS & CONTROL PHILOSOPHY Vol II Sec-D.1.1	Clause no; 2.01.03 (b) , Pg 3 of 33	Coal Crushers & Roller Screen Feeders : Guaranteed (rated) capacity (considering 100% feed coal above (+)20 mm size) - 1200 MTPH		
12	DRG NO: 9586-109-POM-F-003, Sht 1 of 2 & 2 of 2, Rev 1 [Conveyor profiles]		As per these drawings, feeding from BC-22A/B to BC-2 and BC-23A/B shall be of 3-way type and the same has to be made by fixed tripper.	a) In view of different feeding arrangement shown in Flow Diagram & conveyor profile from BC-22A/B to BC-23A/B & BC-2, we assume that the same shall be of 2-way type (i.e., from BC-22A to BC-2 & BC-23A, similarly, from BC-22B to BC-2 & BC-23B) and the feeding shall be done by flap gate. Please confirm.	Follow as per Coal Flow Diagram
	DRG NO: 9586-109-POM-F-001, Rev 0 [Flow Diagram for CHP]		As per this drawing, feeding from BC-22A/B to BC-2 and BC-23A/B shall be of 2-way type and the same has to be made by flap gate.	b) In case the required discharge arrangement from BC-22A/B to BC-23A/B & BC-2 has to be 3-way type (i.e., from BC-22A to BC-2, BC-23A & BC-23B, similarly, from BC-22B to BC-2, BC-23A & BC-23B), we propose to provide it by 3 numbers of Flap Gates instead of fixed tripper arrangement. Similar arrangement had already been provided by us in past for DVC-Koderma TPP CHP Project. Please confirm.	Follow as per Coal Flow Diagram

13	TECH. SPEC. SECTION-D1:06 : BELT CONVEYOR SYSTEM, Datasheet, Vol II Sec-D.1.06	Pg 12 of 18, Clause no; 1.4.0	Minimum Radius : (i) Concave curve 250 m (In case of travelling trippers, the requirement of minimum radius shall be decided based on the space availability) (ii) Convex Curve 50 m	It is understood that, a minimum radius of concave & convex curvature of 250m & 50m respectively has to be provided in general. However, when the same can not be accommodated due to layout constraint, a lesser value of radius also can be provided in case the same is found to be sifficient by actual calculation. Please confirm.	As per Tech.Spec
	DRG NO: 9586-109-POM-F-003, Sht 1 of 2, Rev 1 [Conveyor profiles]				
14	TECH. SPEC. SECTION-D1:06 : BELT CONVEYOR SYSTEM, Datasheet, Vol II Sec-D.1.06	Pg 17 of 18, Clause no;2.9.1b) & c)	Walkway requirement in conveyor gallery : (b) Central walkway width 1100 mm clear (no infringement allowed) (c) Side walkway width 800 mm clear (no infringement allowed) (for single conveyors, the width of side walkways shall be 800 mm on one side and 1100 mm on the other) (no infringement allowed)	In view of disputes among various NIT clauses, we assume that gallery walkway for all conveyors shall be according to clause no 2.9.1b) & c) of NIT Specification, Vol II Sec-D.1.06, Pg 17 of 18 and gallery width has to be selected accordingly. Therefore, widths of galleries/ tunnels as furnished in NIT drg. no 9586-109-POM-F-004 based on higher walkway width can be neglected. Please confirm.	revised drawing is attched
	DRG NO: 9586-109-POM-F-004, Rev 1 [Typ. Conv gallery/tunnel cross section]		In cross section of single conv. gallery of BC-25 & 26 (1400mm belt), 1000mm wide side walkways have been marked in both sides.		
			In tunnel cross section of double stream conv. (1600mm belt), 1700mm side walkways have been furnished in the drawing resulting a total tunnel width of 9200mm (conv centre to centre is 3300mm).		
15	DRG NO: 9586-109-POM-F-004, Rev 1 [Typ. Conv gallery/tunnel cross section]		As per this drawing, in tunnel area conveyor centre to centre distance is 3300 for BC-15A/B and 4500mm for BC-16,17 & 18 whereas in gallery area centre to centre distance for BC-17A/B & 18A/B is 3300mm	In view of contradictions among various NIT drawings, we understand that centre to centre distance for all double stream conveyors shall be 3300mm except from conv 15A/B, which shall be 4500mm. Please confirm.	Confirmed.
	DRG NO: 9586-109-POM-F-003, Sht 1 of 2, Rev 1 [Conveyor profiles]		As per this drawing, centre to centre distance of conv BC-15A/B is 4500mm (refer profile of BC-16A/B)		
16	DRG NO: 9586-109-POM-F-007, Rev 0 [General notes on CHP], point no 7.		All dimensions & relative elevations of various transfer points, structures and other buildings as shown in various tender drawing are minimum acceptable to the employer.	a) Size of only a few transfer points are available in the NIT drawings (i.e., Crusher House, MH-1 & MH-2 of Track Hopper, TP-22,23,24 & 25). Moreover, only one side dimension are available for some of the transfer points (i.e., TP-20, 21). We understand that, minimum sizes/ dimensions of transfer points which have not been furnished in NIT drawings, shall be furnished by CHP contractor based on system requirement. Please confirm. b) We assume that intermediate floor levels of various transfer	Tender drawing is tentative only.

	DRG NO: 9586-109-POM-F-003, Sht 1 of 2, Rev 1 [Conveyor profiles], note no 5		Transfer house dimensions mentioned are minimum, bidder to select equipt. Suitable for building sizes accordingly…	points alongwith head/ tail levels of associated conveyors can be adjusted up or down by CHP contractor based on layout requirement of conveyors. Please confirm. c) It is understood that inclination of various conveyors, length of underground tunnel etc. as furnished in the NIT drawings are indicative. CHP contractor to finalize the same maintaining the maximum slope criteria furnished in NIT document. Please confirm.	
17	DRG NO: 9586-109-POM-F-002, Rev 0 [CHP Layout Plan]		In-haul side of Track Hopper & Wagon Tippler has not been marked in the drawing.	We assume that rail wagons will approach to proposed Track Hopper-2 & Wagon Tippler from South-East side. Please confirm.	Layout in Auto CAD is attched.
18	DRG NO: 9586-109-POM-F-006, Rev 1 [GA of Track Hopper]		Refer Section A-A : a) Side angle of inclined face of track hopper from horizontal plane has been furnished as 60 Deg, but side angle of the same inclined face from vertical plane line has been furnished as 34 Deg. - which are contradictory. B) Moreover, side angle of track hopper from horizontal plane is coming as 65 Deg when calculated w.r.t vertical height as furnished in the NIT drawing.	In view of disputes regarding the side angle of Track Hopper, we assume the same to be 60 Deg with horizontal, vertical height of the inclined portion of wall shall be finalized accordingly maintaining total minimum depth of hopper as furnished in NIT drawing. Please confirm.	Tender drawing is tentative only.
19	TECH. SPEC. SECTION-D-1-14 : TT AND BUNKER SEALING ARRG. Vol II Sec-D.1.14	Pg 2 of 6, Clause no; 1.2.10	The sealing belt....shall rest on...provided over the bunker slot on tripper floor for tripper conveyor as shown in the tender drawing for tripper conveyor...The width of the bunker seal belt shall be at least 100 mm more than the bunker slot opening	NIT drawings neither provide any cross section of Bunker Building nor provide details/ arrangement or bunker slot/ bunker sealing belt. We assume bunker slot width to be 800mm & bunker sealing belt width to be 1000mm. Please confirm.	Confirmed.
20	TECH. SPEC. SECTION-D-3.01 : CHP SYSTEM - CIVIL & STRL WORKS. Vol II Sec-D-3.01	Pg 12 of 84, Clause no; 4.02.00	For railway tracks passing below overhead conveyor gallery and along..at the location where the overhead conveyor gallery crosses road / rail line, minimum clearance of 8.0m above the road crest / rail top shall be provided.	Refer Conveyor Profile drawing of NIT (Drg No. 9586-109-POM-F-003, Sht 1 of 2, Rev 1) - due to layout constraint, the minimum required clearance can not be maintained at road crossing below gallery of proposed conv BC-26. Client to divert the road suitably.	As per Tech.Spec.
21	DRG NO: 9586-109-POM-F-001, Rev 0 [Flow Diagram for CHP]		BW1A/B been shown in Conv BC-15A/B and not in BC-16A/B	There are disputes in locations and quantities of belt weighers among various NIT clauses. Please clarify the same.	Belt weigher has been mentioned on conv BC-16A/B.
	Vol II Sec-C.2	Pg 12 of 38, Clause no; 2.01.02 (iv)	Belt weigher has been mentioned on conv BC-16A/B.		
	Vol II Sec-C.2	Pg 18 of 38, Clause no; 2.02.25	Eight (08) Nos. Electronic Belt weighers complete with .....on conveyors BC-15A/15B, BC- 16A/B and BC- 21A/B and one on Conveyor BC- 26,Conv.BC - 25,……. Two (2) No. Electronic Belt weighers mounted one each on stacker reclaimers……..		Eight (08) Nos. Electronic Belt weighers complete with .....on conveyors BC-15A/15B, BC- 16A/B and BC- 21A/B and one on Conveyor BC- 26,Conv.BC - 25,……. Two (2) No. Electronic Belt weighers mounted one each on stacker reclaimers……..

	TECH. SPEC. SECTION-D1.08: BELT SCALE datasheet 2.4.2	Pg 3 of 3	Mentioned as 4+2		
22	DRG NO: 9586-109-POM-F-001, Rev 0 [Flow Diagram for CHP]		Reference Drg: TRF No.0-0810-08-MA-01/R3 FOR TRANSFER HOUSE No.TP-3	TRF Drg no 0-0810-08-MA-01/R3 for Transfer House No.TP-3 may please be furnished.	Drawing of Exiting TP-3 is attached herewith.
23	TECH. SPEC. SECTION-INTENT OF SPECIFICATION Vol II Sec-C.2	Pg 14 of 38, Clause no; 2.02.02	Conveyors BC-15A/B…….complete with tunnel,…….stringers,deck-plate,seal plate,conv foundations……..	Seal Plate is not required for under ground conveyors BC 15A/B,BC17A & under ground portions of conv BC 16A/B & BC18A/B.Please confirm.	AS per Tech.Spec.
24	TECH. SPEC. SECTION-INTENT OF SPECIFICATION Vol II Sec-C.2	Pg 16 of 38, Clause no; 2.02.11	Two (2) nos…Reversible belt feeders…..gravity take-up,conveyor…….	We Consider Screw take-ups for belt feeders.Please confirm.	As per Tech.Spec.
25	TECH. SPEC. SECTION-INTENT OF SPECIFICATION Vol II Sec-C.2	Pg 17 of 38, Clause no; 2.02.15	Complete chute work ……flap gates,mobile discharge pulleys (as applicable)…….	Proposed conveying system does not call for any mobile discharge pulley.Please confirm.	Confirmed.
26	TECH. SPEC. SECTION-INTENT OF SPECIFICATION Vol II Sec-C.2	Pg 19 of 38, Clause no; 2.02.35	Cooling water system for scoop couplings,for complete CHP as specified elsewhere in the specification	(i) NIT requirement is not clear to us. It appears that NIT calls for Air Cooled Oil Cooler type scoop coupling for all conveyors with HT drives except for crusher, where water cooled oil cooler type scoop coupling is to be provided. Please clarify. (ii) Our opinion is to provide similar type scoop coupling everywhere, i.e. Air Cooled Oil Cooler type scoop coupling for all HT motors including crusher motor. Please confirm.	Confirmed.
	TECH. SPEC. SECTION-DRIVE EQUIPMENT Vol II Sec.D 1.07	Pg 3 of 5, Clause no; 1.02.08	In general Scoop type fluid couplings with Air Cooled Oil Cooler shall be preferable for high rise Towers(TP) however in Crusher House coupling for Crusher ,only scoop coupling with water cool Oil Cooler will be used.		As per Tech.Spec.

27	TECH. SPEC. SECTION-INTENT OF SPECIFICATION Vol II Sec-C.2	Pg 35 of 38, Clause no;3.02.00(a)	Coal deleivered……..size 300 mm & below. However occasionally 1-2% coal of 400 mm lump size……..	(i)In view of disputes in various NIT Clauses, we assume that equipments & conv are to designed for an incoming coal size of (-) 300 mm (occasionally 1-2% coal of 400 mm lump size). Please confirm.	Confirmed.
	Vol II Sec-C.2	Pg 12 of 38, Clause no; 2.01.02 (iv)	Incoming coal size is mentioned as (-) 250 mm.		
	Vol II Sec-D1.05	Pg 3 of 8	Incoming coal size is mentioned as 250 mm		
28	TECH. SPEC. SECTION-INTENT OF SPECIFICATION Vol II Sec-C.2	Pg 37 of 38, Clause no;3.02.00(a)	Flow Path IID (Reclaiming Stream): Reclaiming……..& feeding last bunker of unit#1 through travelling tripper on conv BC-1……	Since BC-1 is situated in the first bunker of unit#1,we understand that flow path no IID is applicable for reclaiming from stockpile through RYC-2 & dropping it to **first bunker of unit I**. Please confirm.	As per Tech.Spec.
29	TECH. SPEC. SECTION-SYS PARAMETERS & OPERATION-CONTROL PHILOSOPHY Vol II Sec-D.1.01	Pg 2 of 33	Belt Ratings…..only 3 ratings…….excluding belt for belt feeders & bunker sealing belt……..	We propose to exclude belts of of dribble feeder and S/R also from the specified belt categories.Please Confirm.	As per Tech.Spec.
30	TECH. SPEC. SECTION-SYS PARAMETERS & OPERATION-CONTROL PHILOSOPHY Vol II Sec-D.1.01	Pg 2 of 33	Min no.of plies 4……..	We understand that this clause is not applicable for belts of dribble feeder.Please confirm.	Confirmed
31	TECH. SPEC. SECTION-SYS PARAMETERS & OPERATION-CONTROL PHILOSOPHY Vol II Sec-D.1.01	Pg 2 of 33	Min Dia of pulleys…	We understand that this clause is not applicable for pulleys of dribble feeder. Please confirm.	Confirmed
32	TECH. SPEC. SECTION-SYS PARAMETERS & OPERATION-CONTROL PHILOSOPHY Vol II Sec-D.1.01	Pg 2 of 33	Maximum type of pulleys…….limited to five.	We propose to exclude pulleys of dribble feeder also from the specified pulley categories.Please Confirm.	Confirmed
33	TECH. SPEC. SECTION-BRAKES & CLAMPS Vol II Sec-D.1.03	Pg 3 of 3	EHT Brakes or Disc brakes	From Specified NIT Clauses, it appears that NIT calls for A/C EHT operated drum brakes. Please confirm.	EHT Brakes or Disc brakes

	TECH. SPEC. SECTION- BRAKES & CLAMPS Vol II Sec-D.1.03	Pg 3 of 3	Brake shoes-Operated by spring		EHT Brakes or Disc brakes
34	TECH. SPEC. SECTION- D1-5: CHUTES & HOPPERS Vol II Sec-D1.05	Pg 1 of 8, Clause no; 1.02.06	Chute shall be of 20mm thk SS-304 in zone of magnetic field..	Thickness of SS-304 chute in magnetic zone is contradictory. We opine that 10 mm thickness is suffient. Please confirm.	Chute shall be of 20mm thk SS-304 in zone of magnetic field..
	TECH. SPEC. SECTION- D1-5: CHUTES & HOPPERS Datasheet : Vol II Sec-D1.05	Pg 6 of 8, Clause no; 2.1.2	Chute shall be of 10mm thk SS-304 in zone of magnetic fied		
35	TECH. SPEC. SECTION- D1-5: CHUTES & HOPPERS Vol II Sec-D1.05	Pg 3 of 8 , Clause no; 1.03.00	Skirt board shall……Skirt plates of minimum 3.5 meters length…….	In view of disputes among various NIT clauses, we understand that min skirt length per feed point should be 3m. Please confirm.	Skirt board shall……Skirt plates of minimum 3.5 meters length…….
	TECH. SPEC. SECTION- D1-5: CHUTES & HOPPERS Datasheet :Vol II Sec-D1.05	Pg 6 of 8, Clause no; 2.2.1	Skirt length - Min. 3m for each feeding point.		
36	TECH. SPEC. SECTION- D1-5: CHUTES & HOPPERS Vol II Sec-D1.05	Pg 5 of 8, Clause no; 1.05.04	Liner for RPG shall be of 10mm thk tiscral or equivalent material.	NIT clauses are contradictory. Please furnish liner thickness to be considered for Rack & Pinion gate.	Liner for RPG shall be of 16mm thk tiscral
	TECH. SPEC. SECTION- D1-5: CHUTES & HOPPERS, Datasheet : Clause no; 2.5.2 [Vol II Sec-D1.05 Pg 7 of 8]		Liner for RPG shall be of 16mm thk tiscral		
37	DRG NO: 9586-109-POM-F-003, Sheet 1 of 2, Rev 1 [Conveyor profiles]		A Pent House has been shown next to TP-16 in profile of BC-16A/B	Since tunnel portion of conv BC-16A/B is terminating at TP-16, no separate pent house is required here. It appear that client's requirement is a structural shed annexed to TP-16 for supporting the suspended magnets. Please confirm.	Confirmed.
38	TECH. SPEC. SECTION- BELT CONV SYS Vol II Sec-D.1.06	Pg 2 of 18	Slopes of conv…..not to exceed 16 deg…….	a) In view of disputes among various NIT clauses, please clarify the maximum conveyor inclination which can be provided - upto 16 Deg or even more than that? b) In our opinion, conveyor inclination at tail of Bunker feeding conveyors should not be more than 14 Deg since it will cause rolling back of material. Therefore, profile of bunker feeding conveyors BC-1,2,3 & 4 should be revised accordingly, which also will result an increase in height of junction houses TP-22, 23, 2 & 25. Please confirm.	Conveyor inclination for pre crushed coal is 14 degree Max.and after crushed zone iw shall be 16 degree Max
	DRG NO: 9586-109-POM-F-003, Sheet 2 of 2, Rev 1 [Conveyor profiles]		In this drawing, angle of inclination at tail end of bunker feeding conveyors BC-1,2,3 & 4 have been shown as 16.21 deg.		

39	DRG NO: 9586-109-POM-F-003, Sheet 1 of 2, Rev 1 [Conveyor profiles]		In this drawing, slope at tail end of conv BC-17A/B receiving feed from wagon tippler has been shown as 13.6 deg.	It is normal industrial practice to restrict slope at tail end of conveyors carrying uncrushed lumpy bulk material to 6-8 deg. to avoid rollback and spillage of material. Kindly review and confirm.	Tender drawing is tentative only.
40	TECH. SPEC. SECTION-BELT CONV SYS Vol II Sec-D.1.06	Pg 2 of 18	Belt conveyor system shall be designed as per the latest edition of 'Belt Conveyors for Bulk Materials' published by Conveyor Equipment Manufacturer's Association' or equivalent International Standard.	Belt conveying system has been designed based on Belt tension calculation for standard historical method, pg 104 of CEMA -6th edition.Please confirm.	As per Tech Spec.
41	TECH. SPEC. SECTION-BELT CONV SYS Vol II Sec-D.1.06	Pg 2 of 18	Breaker ply for rip protection in steel cord belts.	Since bottom cover is not subjected to any material impact,there is no requirement of breaker ply at bottom cover, as per our opinion. Please confirm.	As perv Tech.Spec.
42	TECH. SPEC. SECTION-BELT CONV SYS Vol II Sec-D.1.06	Pg 6 of 18 Cl 1.09.08	All the pulleys shall be mounted on the forged steel shafts of EN-8 or equivalent material of adequate proportion by taper lock arrangement, running in heavy duty roller bearings with proper greasing arrangement….	Due to contradiction in various NIT clauses, pulley construction is not clear. Kindly clarify/ confirm the following points :- a) Type of connection between hub & shaft - keyed or through taper lock? b) In case taper lock connection is required, we understand that the same is not applicable for dribble feeder pulleys. Please confirm. c) Please clarify whether turbo-diaphragm construction is to be provided for pulleys with taper lock arrgment. d) Providing spilt type bearings for underground conveyors are optional? Please confirm. e) In case point no d) above is applicable, we assume that pulleys for dribble feeder as well as underground deflector rollers need not to be provided with split type bearing. Please confirm.	As perv Tech.Spec.
	TECH. SPEC. SECTION-BELT CONV SYS [Vol II Sec-D.1.06	Pg 6 of 18 Cl 1.09.12	For all underground conveyor pulleys shall be **preferably** split type bearing. Shafts shall be keyed to hubs and supported by…		

43	TECH. SPEC. SECTION-BELT CONV SYS Vol II Sec-D.1.06	Pg 14 of 18 Cl 2.6.1	Min pulley shell thickness & end thickness are given as 16 mm & 24 mm respectively.	a) In view of disputes in various NIT Clauses, please clarify the minimum shell diaphragm thickness to be considered for pulleys. bi) We understand that clause for "minimum shell thickness" is not applicable for pulleys of dribble feeder. Please confirm.	Min shell & end disc thickness of pulleys are mentioned as 20 mm & 30 mm respectively.
	TECH. SPEC. SECTION-SYS PARAMETERS & OPERATION-CONTROL PHILOSOPHY,Vol II Sec-D.1.01	Pg 2 of 33	Min shell & end disc thickness of pulleys are mentioned as 20 mm & 30 mm respectively.		Confirmed.
44	TECH. SPEC. SECTION-BELT CONV SYS Vol II Sec-D.1.06	Pg 5 of 18, Cl 1.07.07	Take up weights…….inside as take up weight box……	We propose to provide take up counter weights (RCC slabs) on a counter weight frame (open in all four sides) where counter weights would be anchored to vertical tie rods.Box arrangement is not desirable from water accumulation point of view. Please note that this arrangement had been provided by us in most of our past executed project for different clients like NTPC, DVC etc and no complaint has been received from site till date. Please confirm your acceptance.	As per Tech.Spec
45	TECH. SPEC. SECTION-BELT CONV SYS Vol II Sec-D.1.06	Pg 6 of 18, Cl 1.09.07	Pulleys shall be of non-magnetic SS. There is also mention of SS pulleys in [Vol II Sec-D1.1 Pg 2 of 33]	We consider only shell & diaphragm of pulleys below ILMS as SS construction whereas shaft and hub shall be made of steel construction since these are outside the magnetic zone. Please confirm.	As per Tech.Spec
46	TECH. SPEC. SECTION-D1-16: METAL DETECTOR Vol II Sec-D1.16	Pg 2 of 3,Clause no; 1.06.00 (g)	The location of tramp metal pieces shall be indicated by liquid colour spray.	Please clarify the type of marker to be considered - Sand bag type or Liquid spray type?	As per Tech.Spec.
	TECH. SPEC. SECTION-D1-16: METAL DETECTOR Datasheet : Vol II Sec-D1.16	Pg 3 of 3, Clause no; 2.5.0	Tramp metal markers :Sand bag / Liquid paint spray type		
47	TECH. SPEC. SECTION-D1-5: CHUTES & HOPPERS, Datasheet : Vol II Sec-D1.05	Pg 6 of 8, Clause no; 2.1.3	Size of chute : Min. 1050mm x 1400mm (inside both ways)	Since conv BC-25 & 26 and belt feeder BF-3 are handling lesser capacity & are provided with a lesser belt width (i.e., 1400mm), we assume that size of discharge chutes for these conveyors can be reduced to 950mm x 1000mm. Please confirm.	As per Tech.Spec.
48	TECH. SPEC. SECTION-D1-15: ILMS AND SUSPENDED MAGNET, Vol II Sec-D1.05	Pg 1 of 5, Clause no;1.02.02	The coil shall be of aluminum wire with class 'H' insulation, to limit the absolute temperature of the winding to 140 deg. centigrade. The oil used for cooling the ILMS and SM shall be silicon based.	Silicon based oil is used to withstand very high temperature (i.e., 300 Deg C). For withstanding 140 Deg C temperature transformer based oil is sufficient. Please confirm.	As per Tech.Spec.

49	TECH. SPEC. SECTION-D1-15: ILMS AND SUSPENDED MAGNET, Vol II Sec-D1.05	Pg 2 of 5, Clause no;1.02.06	The idlers and the pulleys...For details of idlers & pulleys, refer specification as specified else where.	Since size & application of idlers & pulleys of ILMS are not identical to that of belt conveyors, its size, design & parameters should be as per standard of approved manufacturer of ILMS. P)lease confirm.	As per Tech.Spec.
50	TECH. SPEC. SECTION-INTENT OF SPECIFICATION Vol II Sec-C.2	Pg 31 of 38, Clause no; 2.03.01.02 & Clause no; 2.03.01.09	All the steel structure and foundation of Bunker area TPs (TP-22,TP-23,TP-24 and TP-25 and the galleries in between...are in the Employer scope however, all the floors (RCC / chequered / grated) of these TPs are in the bidders scope.	a) Since design of floors of transfer points TP-22,23,24 & 25 are also a part of design of main building structures, therefore design, supply & construction of floors of these junction houses as well as bunker building floors also are excluded from scope of CHP contractor. However, inclined walkway at tail end of conveyors inside these buildings alongwith its supporting structures from building floors, maintenance platforms of Flap gate & electric hoists alongwith access ladder, monorail & its support from roof and few auxiliary members for chute support shall be provided by CHP contractor. Please confirm. b) We assume that, structural stools for supporting pulley frames and RCC pedestals for supporting conveyor short posts & Drive Base Frame inside TP-22,23,24 & 25 and Bunker Buildings shall also be provided by client. However, necessary foundation bolts/ fasteners shall be provided by CHP contractor. Please confirm.	Confirmed
			Conveyor walkways inside TP-22, TP-23, TP-24 and TP-25, along with supporting structures shall be in Contractor's scope…		Confirmed
51	TECH. SPEC. SECTION-D1-20:WAGON TIPPLER, Vol II Sec-D1.20	Pg 2 of 8, Clause no;1.02.02	Steel gratings…over wagon tippler hopper shall be provided with inclination. The hopper and gratings shall be designed for movement of font end loader/bulldozer over them.	Since gratings on wagon tippler should be designed for frnot end loader/ bull dozer, gratings should be horizontal without any inclination. Please confirm.	As per Tech.Spec.
52	TECH. SPEC. SECTION-D1-11:CHP BUILDINGS, datasheet, Vol II Sec-D1.11	Pg 4 of 5, Clause no;2.1.2	Roofs & Floors : RCC construction…	Intermediate floors/ part floors/ platforms provided for chute support & maintenance of gates shall be of steel construction. Please confirm.	As per tech spec.
53	TECH. SPEC. SECTION-D1-16:METAL DETECTOR, Vol II Sec-D1.16	Pg 1 of 3, Clause no: 1.06.00	The metal detectors shall also have the following features : (a) ..The coils should have adjustment for magnetite/iron in incoming coal. It should ignore magnetite/iron and shall distinguish between metal pieces and magnetite/iron.	(a) Meaning of NIT clause is not clear. It appears that client's requirement is to provide metal detectors which shall ignore all ferrous metals (which shall be taken care by SuspendedMagnet/ ILMS), only it will detect non-ferrous metals. Kindly clarify. (b) Please note that, as per feedback from different manufacturers of metal detectors such type of construction is not possible.	As per Tech Spec.
54	DRG NO: 9586-109-POM-F-001, Rev 0 [Flow Diagram for CHP]		As per this drawing, two (2) nos of metal detectors have been provided to conv BC-20A & 20B whereas two (2) nos of ILMS has been provided to the downstream conveyors BC-21A & 21B.	To reduce tripping of conveyor due to passing of ferrous metal through the metal detectors, we suggest to interchange locations of ILMS & metal detectors, i.e., put the ILMS on conv BC-20A & 20B and metal detectors on conv BC-21A & 21B. Kindly review and confirm.	As per Tech Spec.
Bidder - 14					
Sl.No.	**Vol/Sec**	**Clause No.**	**Description**	**Queries**	**DVC's reply**
CIVIL & STRUCTURAL					

1				In conveyor galleries, translucent sheeting of polycarbonate material shall be provided for natural lighting. In addition to this whether, windows shall also be provided.	As per Tech Spec.
2				Whether monorails, hoist maintenance platforms in transfer tower nos.TP22, TP23, TP24 & TP25 are in bidder's scope of work?	As per Tech Spec.
3				Whether counter wt. structures in transfer tower nos.TP22, TP23, TP24 & TP25 are in bidder's scope of work?	As per Tech Spec.
4				Whether CHP Office cum maintenance building is in bidder's scope of work?	As per Tech Spec.
5				Whether contractor's construction / storage area shall be provided by owner on chargeable basis or free of cost.	As per Tech Spec.
6				Whether construction power / water shall be provided by owner on chargeable basis or free of cost.	As per Tech Spec.
	ELECTRICAL AND C&I				
1				Refer Key Single Line Diagram. Only Stacker Reclaimer Transformer shall be under the scope of CHP Contractor. All other HT & LT Transformer in the entire CHP area shall be under the scope of Employer. Please confirm.	Along with S/R transformer, lighting transformers for CHP illumination system are under the bidder's scope.
2				Refer Key Single Line Diagram. Only Stacker Reclaimer LT Switchgear shall be under the scope of CHP Contractor. All other HT & LT Switchgear in the entire CHP area shall be under the scope of Employer. Please confirm.	Confirmed
3				Refer Key Single Line Diagram. Please confirm that supply & laying including both end termination alongwith supply of termination kits of 11 KV incoming cable up to 11 KV HT Switchgear at MCC-4 Building shall be in the scope of Employer.	Confirmed
4				Refer Key Single Line Diagram. Please confirm that supply & laying of cable tray for above 11 KV incoming cable up to 11 KV HT Switchgear at MCC-4 Building shall be in the scope of Employer up to the entry point of MCC-4 Building.	Please see the Cl. No. 2.03.09, Sl. No. 7a & 7b of Vol-II, SECTION-C.2 (Page-33 of 38).
5	Refer to Sub Section D2.11.			Illumination to be covered for CHP area shall be in line with the Clause no. 1.03.00 and Annexure-XVI of Illumination Specification only. Please confirm.	The areas mentioned in Annexure-XVI is only indicative for the purpose of guidance to the bidder and illumination shall be designed during detail engineering after finalisation of plant layout.
6	under D2.11 Specification.	Refer to Clause no. 5.5.00 (b.ii)		Please confirm about the quantity of emergency fixture in each floor of TP (both Drive floor & Non-Drive floor).	Two nos of emergrncy fixtures shall be at each TP floor. In addition,one no. extra fixture shall be provided near to drive at driving TP Floor.
7				We presume that Design, Engineering and Preparation of BOQ for procurement purpose of all the Employer's procured items shall be done by Employer only. Bidder shall only furnish the load requirement under his scope of work & supply. Please confirm.	As per NIT.

8	Refer to 1.6 of D2.01 & and DC System description under D2.02			Please confirm that DCDB at MCC-5,6 & 7 shall be supplied by Employer along with DCDB including Battery & Battery Chargers of MCC-4.	Distribution board(DCDB)/DC fuse board, as required for DC loads of Coal Handling Plant system are in the employer's scope.
9				Please confirm that Cable between DCDB at MCC-4 building and DCDB at MCC-5 & 6 respectively shall be under the scope of Employer. Further also confirm that Cable between DCDB at MCC-7 building and Power House DCDB shall be under the scope of Employer.	Confirmed.
10				Please confirm that lightning protection system for the buildings under CHP area covered by Employer's Chimney's need not to be considered by CHP Contractor.	Please see Clause 1.1 of Vol-II Sub Sec-D2.02(Page 3 of 10) for "primary and secondary earthing and lightning protection system".
11	Refer to D2.11.			Please furnish the Reflectance factor for Dusty & Clear areas of buildings under CHP.	Generally, R.F for - Ceiling-0.8, Wall-0.5, Floor-0.3.
12	Refer to D2.11.			Please clarify about the limit pertaining to mounting height of various type of fixture i.e low bay, medium bay & high bay fixture.	Various types of lighting fixtures shall be mounted at such a height so that illumination level will be maintained as per Clause no.5.04.00 of Vol-II Sub sec D2.11 (sheet 8 of 54).
13				Please confirm that width of walkways for the entire overhead cable trestles within the CHP for illumination purpose.	During detail engineering
14	Refer Plot Plan.			We failed to locate MCC-5 building near TH. The same shall be clearly indicated or identified in the plot plan for our clear purview.	Readable plot plan shall be furnished.
15	Refer Plot Plan.			The hard copy version after taking print out of A0 sheet for the same is not at all legible. Please furnish the legible printout / AutoCAD Version after incorporating in appropriate scale. Identification of Various Electrical Building / Mechanical JNTs is very tedious job in this version of drawing.	Readable plot plan shall be furnished.
16	Annexure XVII under D2.11 Specification.	Refer to Clause no. 6.03.01 & sl. no. 1.4		Please clarify in which areas in the CHP GLS lamps shall be used.	During detail engineering
17	D2.11 Specification.	Refer clause no. 2.04.04		We assume that size of embedded floor mat for equipment grounding at various electrical/mechanical buildings shall also be 50X6 mm GS flat.	Please see the "grounding Notes" details.
18	Refer D2.10 Specification.			Please clarify whether control & operation of Hydraulic scoop coupling shall be carried out through Employer's DCS or Local Control Panel dedicated for the same.	Remote Control of operation of hydraulic scoop coupling from DCS(at CHP C/R) as well as locally from LCP the hydraulic Scoop coupling is under the bidder's scope. (Only DCS is under employer Scope).
19	Refer D2.11 Specification.			Please clarify about the type of fixture to be considered in staircase area of various building.	During detail engineering.
20	Refer D2.04 Specification.			Average soil resistivity (in ohm-m) data for the CHP shall be furnished for the calculation of earth grid resistance.	Please see the Electrical Resistivity Test under VOL-II CIVIL-2 SOIL- REPORT.

21	Refer D2.04 Specification.			For checking the requirement of lightning protection for each location, annual thunderstorm (days/year) and flash density shall be furnished.	During detail engineering.
22				Please confirm whether DC emergency fixture shall be remaining in ON condition for 24 hrs. or the same will be ON after failure of Normal AC lighting fixture in respective area.	DC emergency lights will be 'ON' after failure of Normal AC lighting in respective areas of CHP.Pl. see the tech. spec.
23	Sec.C.2.	Refer to Clause no. 2.03.09 (11) of		Please confirm that illumination of TP-22, 23,24,25, Conveyors between these Transfer Points, Conveyor Gallery portion from these transfer points to Bunker Building and Bunker Floor shall be under the scope of the Employer.	Illumination of bunker conveyor gallery is in bidder's scope as per Clause No.9 of Vol-II, Sub Sec:D2.11 Annexure:XVI (Page 30 of 54).Pl. see the tech. spec.
24				Please confirm that Earthing & Lightning protection of Bunker Building shall be in the scope of Employer.	As per tech. spec.
25				Please confirm whether termination including supply of termination kits of 3.3 KV Power supply at 3.3 KV Station Switchgear end for CHP HT Drives at Bunker Floor area and its adjacent TPs shall be under the scope of Employer.	As per Key SLD & Elect. Terminal points(Vol-II, Sec-C.2,Cl. no. 2.03.09, Sl.no.-9) it is cleared that only 3.3 KV. Feeder in P/H Station SW. GR. for the HT. Drives in Bunker areas is under the Employer's Scope and supply, laying & termination of HT. motor cables at both ends including HT. termination Kits for the same is under the bidder's Scope.
26				Please confirm that Cable trestle / racks including trays and supports between Bunker Floor / Power House and TP-22 shall be under the scope of Employer.	Please see the Electrical Terminal Points, Sec-C.2, Clause no.-2.03.09,sl.no. 7a,7b & 8 (page-33 of 38). Employer shall provide only pipe cum cable trestle/rack between TP-22,23,24 and 25. However, Cabling system from nearest point of this trestles to bunker floor is in the bidder's scope. Cable route from TP-21 to TP-22 shall be through separate cable trestles and is in the bidder's scope.
27				Please confirm that laying of above 3.3 KV Power supply cables for 3.3 KV HT Drives at Bunker floor area including supply & laying of Cable tray up to the entry point of Bunker floor shall be under the scope of Employer.	Please see the Electrical Terminal Points, Sec-C.2, Clause no.-2.03.09,sl.no. 7a,7b & 8 (page-33 of 38). Employer shall provide only pipe cum cable trestle/rack between TP-22,23,24 and 25. However, Cabling system from nearest point of this trestles to bunker floor is in the bidder's scope. Cable route from TP-21 to TP-22 shall be through separate cable trestles and is in the bidder's scope.
28				Please furnish route length of 3.3 KV cable from 3.3 KV Station Switchgear up to the entry point of Bunker floor for estimating HT Cable quantity for various 3.3 KV HT drives located at Bunker Floor and its adjacent area.	During detail engineering.Tentative distance can be obtained from plot plan.
MECHANICAL QUERY					
1				Capacity of Conv. BC-24 is 2420 TPH where as that of Conv. BC-25 is 1760 TPH. Hence, it is not feasible to feed directly from BC-24 to BC-25 (i.e. higher capacity to lower capacity) through Flap Gate (FG-26) as shown in the Flow Diagram.	Motorised Flow divider in place of Flap Gate.
2	Flow Diagram.			Arrangement of TP-23 shown in the conveyor profile drawing is not matching with the arrangement shown in the Flow Diagram.	Follow as per Coal Flow Diagram
3	Conveyor profile drawing (SHT.1)			In Conveyor profile drawing (SHT.1), EL (-) 17.300 floor level marked in Track hopper complex is not feasible as top of belt for BC-15A/B is marked as EL (-) 10.800.	As per Tech.Spec.

4				The height between F.G.L. and bottom floor level of wagon tippler complex is not enough to accommodate the wagon tippler hopper having a loading capacity of minimum 3 wagons (as per RDSO G33, Rev.1) loads of coal.	Tender drawing is tentative only.
5				Legend "SE" used in bunker building shown in the Flow Diagram is not clear to us as full form of it is not mentioned.	Read' SE' as DE - Dust extraction
6	Flow Diagram.			As per flow diagram, ventilation system is provided in Crusher House building. Purpose of it is not clear to us.	As per Tech Spec
7		Specification (Cl. No. 2.01.02, Sl. No. IV)		Belt Weigher BW-1A/1B shall be provided on Conv. BC-16A/B as per Specification (Cl. No. 2.01.02, Sl. No. IV). But flow diagram shown BW-1A/1B on Conv. BC-15A/B. Please clarify.	As per Tech.Spec.
8		Specification (Cl. No. 2.01.02, Sh. No. VI)		Rated capacity of Roller Screen mentioned in the Specification (Cl. No. 2.01.02, Sh. No. VI) is not matching with the data provided in Flow Diagram. Please clarify.	Rated Capacity of Roller Screen is 1200TPH and Design is of 1320 TPH
9				As per RDSO, G33, Rev.1, maximum weight of coal per wagon = 110 MT. So, hopper capacity should be 330 MT of coal for 3 nos. of wagon.	As per Tech Spec.
10				For crushed coal, maximum conveyor slope to be 16º as per specification. But in conveyor profile drawing, tripper conveyor angle is 16.21º.	Tender drawing is tentative only.
11				As per specification, size of chute minimum 1050 mm x 1400 mm. But, as per calculation chute size 1050 mm x 1200 mm is enough considering material flow 5 times of design capacity.	As per Tech.Spec.
12		(Cl. No. 2.01.02, Sh. No. iv)		As per brief description of project (Cl. No. 2.01.02, Sh. No. iv) CSU-1 to be provided of (-) 250 mm coal. But as per system design basis (Cl. No. 3.02.00), (-) 300 mm lump size of coal shall be delivered to the power station.	As per Tech.Spec.
Bidder 15					
Sl.No.	**Vol/Sec**	**Clause No.**	**Description**	**Queries**	**DVC's reply**
ELECTRICAL					
1	Vol. II SecD2.01	Cl 1.5 pg 2 of 3	All the 11/3.3 KV drives required for CHP system shall be run from CHP 11/3.3 KV HT. Sw. Gear/Panel and HT drives located in the Bunker floor TPs (in the vicinity of Bunker areas) shall be run from Power House 11/3.3 KV. Station Switchgear.	As per this clause the 3.3KV HT loads in bunker area are to be fed from Power house building 3.3 KV switchgear. However as per SLD all the 3.3 KV HT motors are required to be fed from SS-4 i.e. CHP main Switchgear room near crusher house. Kindly clarify if 3.3KV HT motors in bunker area are to be fed from TG building or Main Swgr room near crusher house.	In NIT Vol-II, Sec D2.01 - clearly mentioned that the HT. drives in the bunker areas shall be run from power house HT. SW.Board.
2	Vol. II SecD2.01	Cl 1.5 pg 2 of 3	All the 11/3.3 KV drives required for CHP system shall be run from CHP 11/3.3 KV HT. Sw. Gear/Panel and HT.drives located in the Bunker floor TPs (in the vicinity of Bunker areas) shall be run from Power House 11/3.3 KV. Station Switchgear.	In case we need to feed the 3.3KV loads from power house building, kindly give us a copy of TG building GA drawing to enable us to estimate the HT cable length.	Pl. see the PLOT PLAN.

3	Vol. II SecD2.01	Cl1.6 pg 2 of 3	02 sets of 220 Volt DC. Battery alongwith 02 sets Battery Chargers for DC loads of CHP, shall be located in the separate room at CHP Main S/S (MCC-4) building and 220 volt DC double (02) feeders shall be supplied to MCC-5 & MCC-6 separately from 220 Volt main DCDB of CHP Sub station/MCC-4 Sw.Gr. room. Two (02) nos. 220 V DC feeders for MCC-7 located at Bunker MCC-7 building near TP-21 shall be fed from Power House /Station 220 Volt DCDB.	As per Vol II Sec D 2.02 Page 3 of 10 and as per SLD, the DC systems along with the interconnecting DC cables are excluded from bidders scope. Employer shall provide the necessary DC supply for the 11 KV LBS as well. Please confirm.	Confirmed. However, requirement of DC in LBS if required shall be arranged by the bidder.
4	Vol. II SecD2.01	Cl1.8 pg2 of 3	Complete earthing system including earth grid, earth electrode, riser etc. shall be provided in CHP earthing. Earth grid shall be provided on each floor of MCC room/building, Control room, TPs, C.H & for equipments	We understand that earthing, lightning protection and illumination for Bunker floors, boiler area , Power house building and at TP-3 (existing) are excluded from bidders scope. Please confirm.	Earthing & Lighting Protn.of Bunker TPs and illumination of bunker floor are under the employer's Scope. Please see the terminal & exclution in NIT where it is mentioned clearly.
5	Vol. II SecD2.01	Cl1.8 pg2 of 3	Complete earthing system including earth grid, earth electrode, riser etc. shall be provided in CHP earthing. Earth grid shall be provided on each floor of MCC room/building, Control room, TPs, C.H & for equipments	1. Above and below ground earthing and lightning protection system only for the areas indicated in the flow diagram (9586-109-POM-F-001) (except for TP-3,TP-22 to TP 25 and bunker buildings) along with the CHP Switchgear building 4 nos.(MCC-4,5,6 and 7) are in Bidders scope. 2. Also above ground earthing i.e. equipment earthing for equipments in bidders scope of supply is to be considered. Please confirm.	As per NIT, Except the employer TPs & bunker building all the areas in CHP earthing & lightning protection system shall be under the bidder's scope.
6	Vol. II SecD2.01	Cl1.8 pg2 of 3	Complete earthing system including earth grid, earth electrode, riser etc. shall be provided in CHP earthing. Earth grid shall be provided on each floor of MCC room/building, Control room, TPs, C.H & for equipments	Kindly inform us the length of Interconnection of CHP stockpile area earth grid to main plant earth grid to be considered in bidder' scope	Please see the plot plan for length of Stock pile areas. Further, complete earthing of CHP system is under the bidder's Scope. However, CHP earthing shall be connected to the P/H main earthing GRID at 02 points nearby bunker TP-22.
7	Vol. II SecD2.01	Cl2.1 pg 3 of 3	PA, EPABX & CCTV for CHP shall be provided by Employer as per requirement i.e. (Excluded from CHP Bidder Scope). Bidder shall keep suitable provision for erection of above equiptments, panels & hardwares in the Coal Handling Plant and bidder is also required to provide necessary space in cable trays for laying of cables for above equipments, if required.	Kindly inform us the no. and the space required for PA, EPABX and CCTV systems to be considered in each of the Switchgear and control buildings for us to enable to keep the space provision . Also inform us the approximate space to be considered in trays .	PA, EPABX, Fire panel & CCTV panels shall be provided by Employer in CHP Control room & in other areas as required for CHP system. The size of above panels under the Employer's scope of supply and shall be furnished during the detail engg.
8	Vol. II SecD2.01	Cl2.2 pg 3 of 3	Power Supply provision including supply, erection, testing & commissiong of Drives/equipments required for interconnection between CHP Phase-I and CHP Phase-II shall be completed by CHP Bidder as per the Flow diagram of CHP System.	We do not envisage any modifications in the existing systems especially HT switchgear,LT switchgear,PLC,Control panel (if any). Please confirm our understanding.	Necessary engineering in respect of interlock,protection/PLC to be done by the bidder.
9	Vol. II SecD2.01	Cl2.2 pg 3 of 3	Power Supply provision including supply, erection, testing & commissiong of Drives/equipments required for interconnection between CHP Phase-I and CHP Phase-II shall be completed by CHP Bidder as per the Flow diagram of CHP System.	We are not clear about the scope of work pertaining to interconnection between phase-I and phase-II. Request for clarity.	As per the NIT, supply, erection, installation, testing & Commissioning of drive equipments, Power & Control, instrumentation cables & other items/materials as required for completion of the interconnecting system inbetween PH-I & PH-II are completely under the CHP bidder's scope.However,the feeders in switchgear/MCC shall be under employer's scope.

10	Vol. II SecD2.02	Cl1.1 pg 2 of10	All MV/LV Power, Control, HT/LT Flexible Trailing cables and any other cables required for proper operation, monitoring and control of the CHP	We understand only following power cables are in bidder's scope : 1. MV/LV power cables for motors in bidder scope 2. Power cables for 11KV JB to LBS and HT/LT side of S/R transformers. 3. Space heater cables for motors in bidders scope. Please confim.	In the Elcet. KEY SLD, clearly indicates that Only 11 KV. Incoming Power supply cables for 11 KV. HT.SW.GR, HT & LT. Transformers and 11 KV HT. Power cables for HT. JB of S/R in CHP system are under the employer's Scope. But all types of M.V(3.3 KV) & LV. Power, control & Inst. Cables etc. as required for completion of CHP system are under the bidder's scope.
11	Vol. II SecD2.02	Cl1.1 pg 2 of10	All MV/LV Power, Control, HT/LT Flexible Trailing cables and any other cables required for proper operation, monitoring and control of the CHP	We do not envisage incomer cables for the LV/MV boards except for S/R MCC.	Confirmed
12	Vol. II SecD2.02	Cl1.1 pg 2 of10	All MV/LV Power, Control, HT/LT Flexible Trailing cables and any other cables required for proper operation, monitoring and control of the CHP	We understand that ACDB , DCDB for entire CHP system alongwith the incoming and outgoing cables are not in bidders scope. Please confirm our understanding. Only ACDB outgoings for HT motor space heater supply and DC emergency lighting cables is in bidders scope. Please confirm.	Only 2 sets of 220 volt DC Battery & battery Charger sets alongwith the DCDB & DCFB for DC system is under the employer's scope. Pl. see the terminal points.Motor space heater supply shall be from corresponding motor feeder panel.
13	Vol. II SecD2.02	Cl1.1 pg 2 of10	All MV/LV Power, Control, HT/LT Flexible Trailing cables and any other cables required for proper operation, monitoring and control of the CHP	Else, in view of above, please inform the no. of ACDBs and DCDBs, envisaged by the client, in various areas, to enable us to estimate the cabling.	220 Volt DCDB & DC Fuse board in the SW.GR/ MCC rooms are in the Employer scope of supply. Please see the Elect. Terminal points.
14	Vol. II SecD2.02	Cl1.1 pg 2 of10	All MV/LV Power, Control, HT/LT Flexible Trailing cables and any other cables required for proper operation, monitoring and control of the CHP	We understand that intertrippping control cables are not in bidders scope.Please confirm.	In the Elcet. KEY SLD, clearly indicates that Only 11 KV. Power supply cables for CHP 11 KV. HT.SW.GR, HT & LT. Transformers in different MCC Rooms and 11 KV. HT. Power cables for HT. JB of S/R in CHP system are under the employer's scope. But all types of M.V(3.3 KV) & LV. Power, control & Inst. Cables etc. as required for completion of CHP system are under the bidder's scope.
15	Vol. II SecD2.02	Cl1.1 pg 2 of10	All MV/LV Power, Control, HT/LT Flexible Trailing cables and any other cables required for proper operation, monitoring and control of the CHP	Control cables for intertripping signals between S/R system and 11 KV Switchgear are not in bidders scope. Please confirm.	In the Elcet. KEY SLD, clearly indicates that Only 11 KV. Power supply cables for CHP 11 KV. HT.SW.GR, HT & LT. Transformers in different MCC Rooms and 11 KV. HT. Power cables for HT. JB of S/R in CHP system are under the employer's scope. But all types of M.V (3.3 KV) & LV. Power, control & Inst. Cables etc. as required for completion of CHP system are under the bidder's scope.
16	Vol. II SecD2.02	Cl1.1 pg 2 of10	Cable raceway system consisting of cable racks, cable trays, Cable rack / tray supporting structures, support members/channels for cable trays, cable tray covers, cable trenches, duct banks, conduits, pipe sleeves, hume pipes, associated foundation and civil works, cable tray accessories, etc., as required.	Cabling system as required for cables within and from switchgear buildings of MCCs 4,5 and 6 are in bidder's scope. Any interconnection between CHP areas to Power house building is not in bidder's scope. Please confirm.	Pl. see the electrical Terminal points: Vol.-II, Sec-C.2, cL. 2.03.09, sl. No. 7a,7b & 8. Employer shall provide only pipe Rack cum cable Trestle between TP-22,23,24 & 25. However, from nearest point of this trestle to bunker floor cabling system(i.e. trays & tray auxiliaries etc) is in the bidder scope. Further, seperate cable trestle from TP-22 to TP21 and TP-21 to CHP onwards as required for complete CHP cabling system is under the bidder scope.
17	Vol. II Sec C.02	Cl 2.03.09 7a) pg 33 of 38	The Bidder shall provide all cable trays, tray supports & accessories for all cables under bidder's scope and cables under Employer's scope related with CHP from TP-22 to CHP.	Please confirm that, for route from TP-22 to CHP galleries, will not be used for cables, of other systems.	From TP-22 to CHP onwards employer's HT. power cables, control & Fire fighting cables alongwith bidder's cable shall be run through the O/H Cable Trestle is under the CHP bidder's scope. In addition to above please see the clause No. 2.03.09 (10) of vol-II, Sec-C2.

18	Vol. II Sec C.02	Cl 2.03.09 7a) pg 33 of 38	The bidders shall do all the engineering for the above mentioned routes. (Necessary inputs for design of cable trestle/rake from Power House/Bunker to TP-22 will be provided by bidder).	Input for design of cable trestle in Bunker area and TP 22 to TP 25 will be limited to cables in bidder`s scope of supply and Employer`s scope of cables for CHP only. Please confirm.	Confirmed
19	Vol. II Sec C.02	Cl 2.03.09 10) pg 33 of 38	In some cases the cable of CHP contractor may have to go into the area of other Packages (Employer's scope area). In that case the cable trestle/pipe cum cable rack if available for cabling of other packages (under employer scope), the cable of CHP contractor will also follow the same trestle/pipe cum cable rack provided by employer. Cable tray & related accessories however are in CHP contractor scope. For the cable of other packages (Employer scope) for passing through CHP area vice-versa of the same clause shall be applicable. However, when there is no cable route available in other packages, the CHP contractor has to arrange total supporting Structure/Cable trestle/Pipe cum cable rack for their cable/pipe	We understand that this clause is applicable only from route between TP-22 till CHP area. if this is confirmed bidder can consider cabling system only for cables to CHP area in this route .	Here, the Clause is well defined. Based on technical requirements, it may require to lay some cables of other packages in the CHP cable trestle. Bidder has to consider additional loads during trestle design and provide space for tray supports. The details of additional loads shall be intimated during detail engineering.
20	Vol. II Sec D2.02	Cl 1.1 pg 4 of10	Illumination(Lighting) and Power Receptacle System – Complete Illumination in Indoor, outdoor of CHP buildings, C.H, TPs, Conv.Galleries, Streat/road and Coal yard lighting, Railway Marshalling yard and for S/R machines of CHP	We understand that illumination and earthing and lightening protection for Admin building, CHP office cum maintenance building, all switchgear buildings of CHP system i.e. MCC-4,5,6 and 7 are included in bidders scope. Please confirm.	Confirmed.In addition,please refer to the terminal & Exclusion for ready reference.
21	Vol. II Sec D2.02	Cl 1.1 pg 7 of10	For all the inputs required by the Contractor from other packages, supply of the required auxiliary relays and control cables, Field JBs, etc., laying and termination shall be in the scope of the CHP Vendor.	As per our understanding only one LT board S/R MCC is in Bidders scope.Therefore we presume this clause is applicable only for S/R MCC.Please confirm.	In the Vol-II,SEC-D2.02, CL.no-1.7(page-7 of 10), it is well defined. Please go through the NIT clause.
22	Vol. II Sec C.02	Cl 2.02.49 pg 23 of 38	Generally, cable shall be routed through overhead cable trestles/cable racks. In pump house cable trench shall be used. However, from substation to nearest TPs/Crusher house/P.H/ Maintenance bay of T/H cables shall be laid through the outdoor cable trestle.	However we understand that, if available, conveyor gallery can be used for routing of cables in suitably sized cable trays and support system. Please confirm.	Except pump house & tunnels, for other areas of CHP the overhead outdoor cable trestle shall be provided for CHP system.
23			Construction Power supply	We request client to provide construction power supply at the required load centers free of cost. Pl confirm.	Construction power supply shall be on chargable basis as per the prevailing rate of WBSEB.
24			CHP Layout Plan	Request Client to furnish a more legible soft copy of CHP layout plan vide drawing number 9586-109-POM-F-002	Noted & shall be furnished.
MECHANICAL QUERIES					
1	Vol II sec-c.2	Cl. 2.01.02 pg 11 of 38	Track hopper of 6000 Tonnes holding capacity.	Please clarify whether the capacity indicated is for water filled capacity or net capacity.	As per Tech Spec.
2				Please clarify regarding the scope for fire detection and alarm system	Fire Protection is in DVC's scope.
3				Please clarify the requirement of service air. As Water cleaning is considered for service purpose, we feel service air is not required. Please confirm.	As per Tech Spec.
4	Vol II Sec-D.1.07	Cl. 1.02.08 pg 2 of 5	Independent arrangement for forced cooling water supply using 2X100% capacity pumps to oil cooler shall be provided by	We propose for air cooled type scoop coupling for all crushers and conveyors having HT motors. Kindly confirm.	As per Tech.Spec.

5	Vol II Sec-D.1.11	Cl. 1.02.03 pg 2 of 5	1 mtr x 1 mtr size dust/debris MS chutes from all the floors to ground floor shall be provided at all buildings/transfer houses and crusher house.	We propose for 500mmX500mm opening at floor level and 300mm dia MS chute till drain pit at ground level for drain / derbis collection. Please confirm	As per Tech.Spec.
6	Vol II Sec-D.1.06	Cl. 1.12.03 pg 9 of 18	All conveyors shall be provided with 12 G steel seal plates throughout the length and width of the conveyor gallery-------	We propose to provide seal plate across road & railway crossing and in main plant building area only. Please confirm.	As per Tech.Spec.
7	Vol II Sec-D.1.09	Cl. 1.05.11 pg 6 of 21	Wet Type Dust Extraction System	We propose Dry type dust extraction system for crusher house which are most commonly used nowadays instead of venturi scubber type as indicated in the specificaiton. Please confirm.	As per Tech.Spec.
8	Vol II Sec-D.1.09	Cl. 2.4.2 pg14 of 21	MOC for Nozzle	From our past experience we propose to consider nozzle material as SS304 since this material is adequate for service water which is used for Dust Suppression system instead of SS316L as indicated in specification. Kindly confirm	As per Tech.Spec.
9	Vol. II Sec-D.1.07	Cl. 1.02.08 pg 2 of 5	Independent arrangement for forced cooling water supply using 2X100% capacity pumps to oil cooler shall be provided by	Please clarify scope and terminal point including pressure for the cooling water required for scoop coupling. Also please note that return water from these coolers will be led to nearest drain.	As per Tech.Spec.
10				Please furnish the rail top elevation for Track Hopper and Wagon tippler. Also furnish the Finished Floor/graded levels for CHP such as stockpile, crusher house, and main plant Area.	See the attached Revised Plot Plan
11	Vol. III Sec-D.3.01	Cl. 5.00.00 pg 18 of 83	Drainage & Water Supply Works	1) we propose to connect the outlet of peripheral drains for Transfer points TP18, Crusher house, TP19, TP20 and TP21 to the nearest plant drain which shall be in owners scope. 2) Drains From Track hopper, Wagon Tippler, TP17 and TP15 shall be pumped to coal settling pond.	As per Tech.Spec.
12			coal slurry setting tank	We consider our scope till coal pile runoff pit and further disposal shall be in client scope. Please confirm/clarify	Coal slurry settling tank is not in the bidder's scope.However,drain connection upto coal slurry settling tank is in the bidder's scope.
13			coal slurry setting tank	please indicate the retention time for design of coal slurry settling tank	Coal slurry settling tank is not in the bidder's scope.However,drain connection upto coal slurry settling tank is in the bidder's scope.
14	Vol. II Sec-D1.05	Cl. 1.02.04 & 2.1.2a data shhet of chutes and hoppers 18 of 83	ss-304 with 20mm and 10mm was specified at these locations	please confirm the requirement is SS 304 WITH 10 mm thk	As per Tech.Spec.
15	Vol. II		Wagon tippler tips 25	As per RDSO Wagon tippler shall have capacity to tipple 25 tips per hour.However lower no of tips is also allowed by railways during the operation .Hence request to accept the guaranteed tips of 20 tips/hr.	As per Tech.Spec.
16	Vol. SEC D 1.21	DATA SHEET APRON FEEDER	Apron feeder capacity of 2200 TPH	It is not possible to unload coal at 2200 TPH with wagon tippler. Hence request to review the required guaranteed/rated capacity for apron feeder and advise.	As per Tech.Spec.
CIVIL QUERIES					
1	Vol.II Sec-D-3.01	Cl. 4.05.00 Page 15 of 83	Stacker Reclaimer Foundation	Please clarify if any Stockpile Paving is required. If required please provide the detailed specification of the same.	As per Tech.Spec.

2	Vol.II Sec-D-3.01	Cl. 5.02.00 Page 19 of 83	Internal and external water supply, drainage	As per this clause it is clear that the scope of sewage system shall include layout and laying of sewers up to the septic tank with soak pit including Construction of septic tank along with soak pit for individual buildings which are under the scope of CHP package only. Please confirm.	Confirmed
3	Vol.II Sec-D-3.01	Cl. 13.00.00 Page 31 of 83	DESIGN CRITERIA	As per this clause "For design of all underground structures / foundations, ground water table shall be assumed at the formation level (i. e. the adjoining ground level)." However , we request you to allow to consider the Ground water table level as per geotechncal investigation report for design of foundaions and to check against uplift.	As per Tech.Spec.
4	Vol.II Sec-D-3.01	Cl. 28.00.00 Page 63 of 83	BITUMINOUS ROADS	Kindly clarify the scope of roads to be considered by the bidder. Further we request you to provide the road layout drawing demarcating roads under scope of CHP package.	All the roads in CHP area should be 7.5M(double lane) and 4.0 M (single lane) wide, 4.0M wide access road shall be provided . All other road except access road shall be 7.5M wide. Road along with drain on both sides is required to facilitate all the CHP structures and connect with the exisiting road of the plant.Layout of the road in side the CHP Area is in Bidders Scope.
5				We request you to provide the Storm water drainage outlet points for CHP package.	Employer's main drain
6			Land for labour colony	We presume that the land for labour colony shall be provided by the owner within or near plant boundary.	As per Bid Documents.
7			Construction water	We request client to provide construction water at one point at plant boundary.	As per Tech Spec.
8			General	We presume that the Levelled & graded land shall handed over by the client. Please confirm.	Generally graded however grading & levelling of the area marked in the revised plot plan is in Bidder's scope.
9	Vol. II Sec-C.2	Cl.2.02.52.00 / 2.02.52.04 Page 29 of 38	Civil	As per this clause getting approval from railway department shall be in bidders scope. We request the same shall be taken care of by the client. This is of particular importance keeping in mind the influence and reach of the client for speedy approval and uninterrupted work.	As per Tech Spec.
10			Coal pile runoff pond	Please clarify whether the coal pile runoff pond is in the scope of bidder. If yes please provide details of the same .	It is not in the Bidder's Scope.
11				Interconnecting Road between stockpile and main plant area is not a part of this package. Please confirm.	It is in the Bidder's scope.
12				Please provide autocad format of Plot Plan &contour map, as the pdf format is not clear.	Layout in Auto CAD is attched.
13				we presume that the clearances available between proposed Track hopper and wagon tippler and the existing railway tracks are adequate so that there shall not be any problem during the excavation for the same. Please confirm	As per Tech Spec

COMMERCIAL QUERIES					
1	Vol I Sec-I IFB	Pg 9 of 14 Cl. 5.0	If the bid price is quoted fully or partially in foreign currency, the Bid security shall be in US Dollars.	We understand Indian bidders can submit Bid security in Indian Rupees though their bid price is quoted fully or partially in foreign currency.	If the bid price is quoted fully or partially in foreign currency, the Bid security shall be in US Dollars.
2	Vol I Sec-III GCC	Pg 21 of 63 Cl. 14.0	TAXES AND DUTIES	As benefits are available we request Employer to consider the following : Contractor shall quote its price exclusive of all taxes, duties , levies and cess. However taxes and duties prevailing 7 days before submission of price bid shall be indicated separately. All taxes, duties , levies , cess (direct & indirect transaction) shall have to be reimbursed to contractor by Employer as per the prevailing rates (including any variations or new impositions) at actuals during course for execution of the contract. In case any Benefits are available ,for enabling the bidder and their sub-contractors / sub-vendors to avail the benefits, Employer Shall provide the following :- a) Project Authority certificate to Bidder and their Sub-suppliers / sub-contactors. b) Excise Duty exemption certificate to Bidder and their Sub-suppliers / sub-contractors. c) Payment certificate to Bidder. d) Notification from Ministry of Finance that this project is eligible for Deemed export benefits/mega power project benefit. e) Any other details required. In case tax benefits, exemptions are withdrawn or varied /or necessary Project Authority certificate / required documents are not furnished in time by the Employer, any taxes and duties (direct or indirect) becomes applicable shall be to Employer's account and shall be reimbursed to contractor. In case of any delays in issuing the documents/notification for availing tax exemption by Employer, works carried out/supplies affected till the time of notification is issued may attract taxes & Duties .Such Taxes & Duties to be reimbursed by Employer to Contractor.	As per NIT documents.
	Vol I Sec-IV Appendix-1	Pg 30 of 92 Cl. 2.I	However, Taxes, duties, levies, cess on the indirect transaction (such as supply of BOI's, Transportation, Insurance, etc., as applicable) between the Contractor & the Employer shall not be reimbursed/paid separately. The grand total price (including T&D) as quoted by the Bidder for these indirect transactions, which shall remain firm & fixed throughout the pendency of the contract, will be paid by the Employer.		
	Vol I Sec-I IFB	Pg 9 of 14 Cl. 6.0	BENEFITS / EXEMPTIONS TO SUPPLIES FOR MEGA POWER PROJECTS Raghunathpur Thermal Power Plant, Phase-II (2x660 MW) has been certified by the Ministry of Power, Govt. Of India as a Mega Power Project and therefore supplies of goods for this package under this project are eligible for benefits/ exemptions as per provisions of relevant notifications of Govt of India. Bidders shall well aware of the latest policy, act & notifications of Govt. Of India on exemption/ benefit on excise duty and customs duty and accordingly shall bid. Bidder shall give all information required for issue of relevant certificate by employer in terms of the foreign trade policy/customs acts/Excise acts & notifications of Govt. Of India along with his bid. The relevant certificate will be issued on this basis only and no subsequent change will be permitted. **The bidders shall be solely responsible for obtaining excise duty and customs duty benefits, if any, from Govt. Of India. In case of failure of the bidders to receive the benefits partly and fully from Govt. Of India or in case of any delay in receipt of such benefits, the employer shall neither be responsible nor liable in this regard in any manner whatsoever**.		

	Vol I Sec-VI BID FORM	Pg 6 of 92 Cl. 4.1 & 4.2	We confirm that no tax (including cess, duty or levy in any form shall be payable by you separately for the bought out items which are despatched directly by our sub-vendor/our assignee's sub-vendor (if applicable, in case of foreign bidder) to the project site. The value of such items is indicated in Envelope4 (Attachment No.13). We confirmed that we are well aware of the latest policy, act & notifications of Govt. Of India on exemption/benefit on excise duty and customs duty for Mega Power Project and bid accordingly. We are giving all information required for issue of the relevant certificate by the employer in terms of the foreign trade policy/customs acts & notifications, Excise notifications of Govt. of India for the exemption on T&D along with the bid as additional information in Envelope3 (Attachment-15) . The relevant certificate will be issued on this basis only and no subsequent change will be permitted. **We shall be solely responsible for obtaining excise duty and customs duty benefits, if any, from Govt. Of India. In case of failure to receive the benefits partly and fully from Govt. Of India or in case of any delay in receipt of such benefits, the employer shall neither be responsible nor liable in this regard in any manner whatsoever.**		
3	Vol I Sec-II ITB	Pg 22 of 32 23.4b	**Functional Guarantees of the facilities** The total …. The lowest total guaranteed power consumption for any bidder shall be taken as the base and total power consumption figure for a particular bidder being evaluated shall be equalized by a differential price factor of US $ 1849 (US dollars one thousand eight hundred forty nine) for each KW of excess power consumption over the base figure.	Please provide the threshold value for auxiliary power consumption considered for evaluation.	As per NIT documents.
4	Vol I Sec-II ITB	Pg 24 of 32 Cl. 26.4	The mode of contracting with the successful bidder will be as indicated below:	Please add as fourth Contract for Civil and structural works.	As per NIT documents.
	Vol I Sec-III GCC	Pg. 8 of 63 3.6	CONSTRUCTION OF THE CONTRACT 3.6.1 The Contracts to be entered into between the Employer and the successful bidder shall be as under:		
	Vol I Sec-VI BID FORM	Pg. 7 of 92 5.0	CONSTRUCTION OF THE CONTRACT		

5	Vol I Sec-III GCC	Pg. 6 of 63 Cl.1.1	"Installation Services" means all those services ancillary to the supply of the Plant and Equipment for the Facilities, to be provided by the Contractor under the Contract; e.g., transportation and provision of marine or other similar insurance, inspection, expediting, Site preparation works (including the provision and use of Contractor's Equipment and the supply of all civil, structural and construction materials required), installation, Pre-commissioning, commissioning, carrying out guarantee tests, operations, maintenance, the provision of **operations and maintenance** manuals, training of Employer's personnel etc.	As operation and maintenance is scope of Employer. For purpose of clarity, we request to delete "operations, maintenance" from the subject clause.	As per NIT documents.
6	Vol I Sec-III GCC	Pg. 6 of 63 Cl. 1.1	"**Effective Date**" means the date from which the Time for Completion shall be determined as stated in Article 3 (Effective Date for Determining Time for Completion) of the Form of Contract Agreement.	Effective date of Contract shall be date of Notification of Award by Contractor. However Time for Completion shall be reckoned from Notice to proceed.	As per NIT documents.
	Vol I Sec-III GCC	Pg. 17 of 63 Cl. 8.0	The Contractor shall commence work on the Facilities from the date of Notification of Award and without prejudice to GCC Sub-Clause 26.2 hereof. The Contractor shall thereafter proceed with the Facilities in accordance with the time schedule specified in Appendix 4 (Time Schedule) to the Contract Agreement.	Notice to proceed shall be issued to the Bidder upon fulfillment of the following conditions by the Employer 1. Financial closure 2. Contract Agreement has been duly executed for and on behalf of the Employer and the Contractor 3. Employer has paid the Contractor the Initial Advance Payment. 4. Availability of fronts along with requisite rights of way. 5.Encumbrances free & Unrestricted access to site to Contractor.	As per NIT documents.
7	Vol I Sec-III GCC	Pg, 10 of 63 Cl. 3.12	SEVERABILITY If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.	The referred clause is incomplete. We request for the following modification : "If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract **and such invalid or unenforceable provisions shall be substituted , through mutual discussions, by such valid and enforceable provisions which shall have the same commercial and economic effect as impugned provisions.**	As per NIT documents.
8	Vol I Sec-III GCC	Pg.14 of 63 Cl. 7.3.1.2	All the mandatory spares covered under the Package shall be produced along with the main equipment as a continuous operation and the delivery of the mandatory spares will be effected along with the main equipment in a phased manner and the delivery would be completed by the respective dates for the various categories of equipment as per the agreed network. In case of recommended spares, the above will be applicable provided the order for the recommended spares has been placed with the Contractor prior to commencement of manufacture of the main equipment.	Parties shall mutually agree upon delivery schedule of mandatory and recommended Spares during Contract signing.	As per NIT documents.

9	Vol I Sec-III GCC	Pg. 15 of 63 Cl. 7.3.1.3	The Contractor will provide the Employer with the manufacturing drawings, catalogues, assembly drawings and any other document required by the Employer so as to enable the Employer to identify the recommended spares. Such details will be furnished to the Employer as soon as they are prepared but in any case not later than six months prior to commencement of manufacture of the corresponding main equipment.	Same shall be discussed during Contract signing.	As per NIT documents.
10	Vol I Sec-III GCC	Pg. 15 of 63 Cl. 7.3.1.8	The Contractor shall guarantee the long term availability of spares to the Employer for the full life of the equipment covered under the Contract. The Contractor shall guarantee that before going out of production of spare parts of the equipment covered under the Contract, he shall give the Employer atleast 2 years advance notice so that the latter may order his bulk requirement of spares, if it so desires. The same provision will also be applicable to Sub-contractors. Further, in case of discontinuance of manufacture of any spares by the Contractor and/or his Sub-contractor, Contractor will provide the Employer, two years in advance, with full manufacturing drawings, material specification and technical information including information on alternative equivalent makes required by the Employer for the purpose of manufacture/ procurement of such items.	Requirement stipulated in the referred clause shall be jointly taken up with during the award of contract/execution from respective equipment / package suppliers to obtain Manufacturers concurrence.	As per NIT documents.
	Vol I Sec-III GCC	Pg. 16 of 63 Cl. 7.3.1.9	The prices …The above option for procuring future recommended spares by the Employer shall remain valid for the period of 5 years from the scheduled date of completion of facilities of the last equipment covered under this contract.		
	Vol I Sec-III GCC	Pg. 16 of 63 Cl. 7.3.1.12	It is expressly understood that the final settlement …..writing by the Employer.		
11	Vol I Sec-III GCC	Pg. 16 of 63 Cl. 7.3.1.11	In case the Contractor fails to supply the mandatory, recommended or long term spares in the terms stipulated above, the Employer shall be entitled to purchase the same from the alternate sources at the risk and the cost of the Contractor and recover from the Contractor, the excess amount paid by the Employer, if any, over the rates worked on the above basis. In the event of such risk purchase by the Employer, the purchases will be as per the Works and Procurement Policy of the Employer prevalent at the time of such purchases and the Employer at his option may include a representative from the Contractor in finalising the purchases.	Please delete the words "recommended or long term spares" in the referred clause as Employer shall procure additional requirement of spares directly from respective OEMs	As per NIT documents.

12	Vol I Sec-III GCC	Pg. 18 of 63 Cl. 9.3	The Contractor shall acquire in its name all permits, approvals and licenses from all local,state or national government authorities or public service undertakings in the country where the Site is located that are necessary for the performance of the Contract, including, without limitation, visas for the Contractor's and Subcontractor's personnel and entry permits for all imported Contractor's Equipment. The Contractor shall also acquire all other permits, approvals and required licenses that are necessary for the performance of the Contract,including those which required to be acquired in the name of the Employer.	We understand Subject to clause 10.3, Approvals Permits as specified and possible to be taken by contractor shall be taken with the support of the Employer.	As per NIT documents.
13	Vol I Sec-III GCC	Pg. 18 of 63 Cl. 10.1	The Employer shall ensure the accuracy of all information and/or data to be supplied by the Employer as described in Appendix 6 (Scope of Works and Supply by the Employer) to the Contract, **except when otherwise expressly stated in the Contract.**	As Employer shall be responsible for accuracy and sufficiency of all information and/or data to be supplied by the Employer under the Contract, we request to delete the words" **,except when otherwise expressly stated in the Contract**" from the referred clause	As per NIT documents.
14	Vol I Sec-III GCC	Pg. 20 of 63 Cl. 13.2.1	ADVANCE PAYMENT SECURITY 13.2.1 The ….. However, in case of delay in completion of the facilities under the package, the validity of this security shall be extended by the period of such delay.	Any extension of Bank Guarantees for reasons not attributable to Contractor shall be at Employer's cost.	As per NIT documents.
15	Vol I Sec-III GCC	Pg. 20 of 63 Cl. 13.2.2	The security …The Advance payment Security shall be reduced prorata every three (3) months after First Running Account Bill/Stage Payment under the Contract based on the value of the respective equipment/ facilities received. The cumulative amount of reduction at any point of time shall not exceed seventy five percent (75%) of the advance corresponding to cumulative value of the respective equipment/Facilities supplied and received as per certificate issued by the Project Manager. The balance of 25% shall be released on Completion of those Facilities.	We request to consider reduction of Advance payment Security on prorata basis to the extent of advance adjusted instead of limiting to 75% of the advance corresponding to cumulative value of the respective equipment/Facilities supplied and received.	As per NIT documents.
16	Vol I Sec-III GCC	Pg. 20 of 63 Cl. 13.3	**CONTRACT PERFORMANCE SECURITY**	We understand at the end of initial /original Defects liability period, performance security shall be returned to Contractor. In the event of extension of Defects liability period if any as per GCC clause 27.8 if any then the value of performance security beyond original Defects liability period shall be limited to an amount of 10% of Price of equipment /component under extension. We request to confirm our understanding	As per NIT documents.

17	Vol I Sec-III GCC	Pg. 22 of 63 Cl. 14.2	All taxes, duties, cess and levies, cess on works contract, if any, shall be to the contractor's account and no separate claim in this regard will be entertained by the Employer. Levies on account of "building and other construction workers" welfare cess as per the latest edition of notification of the State Government where the site is located shall be applicable and all inclusive of the total price. However, if DVC pays any cess on the contract, the same will be deducted from contractor`s bill.	Request to consider price exclusive of all taxes, levies , cess and duties	As per NIT documents.
18	Vol I Sec-III GCC	Pg. 23 of 63 Cl. 14.4	For the purpose … If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Contractor in connection with performance of the Contract, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition to the Contract Price or deduction there from, as the case may be, in accordance with GCC Clause 36 (Change in Laws and Regulations) hereof. **However, these adjustments would be restricted to direct transactions between the Employer and the Contractor/assignee of Foreign Contractor (if applicable). These adjustments shall not be applicable on procurement of raw materials, intermediary components etc. by the Contractor/assignee and also not applicable on the bought out items (BOIs) dispatched directly from sub-vendor's works to site.**	We request Employer to delete the underlined sentence in the referred clause as change in law & regulations on indirect transaction and on procurement of raw materials; intermediary components etc. are beyond control of Contractor. Hence adjustments in referred clause shall also be applicable to indirect transactions and on procurement of raw materials, intermediary components etc. by the Contractor /its subcontractors also.	As per NIT documents.
19	Vol I Sec-III GCC	Pg. 23 of63 Cl.16.3	16.3 The obligation of a party under GCC Sub-Clauses 16.1 and 16.2 above, however, shall not apply to that information which	We propose following point to be added in the referred clause as point "d) if the disclosure is required by law or statutory authority or for purpose of execution of Contract or is made to an insurer under a policy of insurance issued under this Contract"	As per NIT documents.
20	Vol I Sec-III GCC	Pg. 23 of 63 Cl. 20.3.2	Within twenty one (21) days after receipt by the Project Manager of any document requiring the Project Manager's approval in accordance with GCC Sub-Clause 20.3.1, the Project Manager shall either return one copy thereof to the Contractor with its approval endorsed thereon or shall notify the Contractor in writing of its disapproval thereof and the reasons therefore and the modifications that the Project Manager proposes.	"21 days" for approval is too long , we request to consider "7 days" for approval	As per NIT documents.

21	Vol I Sec-III GCC	Pg. 31 of 63 Cl. 21.4	CUSTOMS CLEARANCE The Contractor shall, at its own expense, handle all imported Plant and Equipment including spares and Contractor's Equipment at the point(s) of import and shall handle any formalities for customs clearance, including liability for port charges etc., if any,subject to the Employer's obligations under GCC Sub-Clause 14.2, provided that if applicable laws or regulations require any application or act to be made by or in the name of the Employer, the Employer shall take all necessary steps to comply with such laws or regulations. In the event of delays in customs clearance due to fault of the Employer, the Contractor shall be entitled to an extension in the Time for Completion, pursuant to GCC Clause 40.	We request for following reasonable modification in the referred clause: In the event of delays in customs clearance due to fault of the Employer, the Contractor shall be entitled to an extension in the Time for Completion, pursuant to GCC Clause 40.**and Contract Price shall be correspondingly increased to the extent that the Contractor has thereby been affected due to such delays .**	As per NIT documents.
22	Vol I Sec-III GCC	Pg. 34 of 63 Cl. 22.7	WATCHING AND LIGHTING The Contractor shall provide and maintain at its own expense all lighting, fencing, and watching when and where necessary for the proper execution and the protection of the Facilities, or for the safety of the employers and occupiers of adjacent property and for the safety of the public.	The overall security plant arrangement should be provided by the Employer. However the contractor shall be responsible for security of all his properties, material / goods at site and not for any adjacent Employers or other contractors materials.	As per NIT documents.
23	Vol I Sec-III GCC	Pg. 38 of 63 Cl. 25.1.2	The Guarantee test of the facilities (or part thereof, if applicable) shall be successfully completed within twelve (12) months of the date of completion of the respective Facilities.	In the event Guarantee test occurs beyond 1 month of commissioning or readiness for commissioning for reasons not attributable to Contractor, the correction curves of the equipment shall apply for the Purpose of demonstration of Performance Guarantees .	As per NIT documents.
24	Vol I Sec-III GCC	Pg. 39 of 63 Cl. 26.2	One half of the one percent (½%) of Ex-works (India) / CIF (Indian port-of-entry) price of the delayed Mandatory Spares, per week or part thereof of delay, subject to maximum of five percent (5%) of the total CIF / Ex-works price of all mandatory spares covered under the package.	We understand Liquidated damages for delay in supply of mandatory spares shall be 0.5% of Ex-works (India) / CIF (Indian port-of-entry) price of the delayed Mandatory Spares, per week or part thereof of delay, subject to maximum of five percent (5%) of the total CIF / Ex-works price of all undelivered portion of mandatory spares covered under the Package.	As per NIT documents.
25	Vol I Sec-III GCC	Pg. 41 of 63 Cl. 27.8	If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons. Upon correction of the defects in the Facilities or any part thereof by repair /replacement, such repair/replacement shall have the Defect Liability Period for a period of twelve (12) month from the time such replacement/repair of the Facilities or any part thereof has been completed.	Tender is silent on sunset date of Defects Liability period Hence we propose the following : Upon correction of the defects in the Facilities or any part thereof by repair/replacement, such repair/replacement component shall have the Defects Liability Period extended by a period of twelve (12) month from the time such replacement/ repair of such component or any part therof. However such warranty /defect liability for such component shall be limited to 24 months from commissioning.	As per NIT documents.

26	Vol I Sec-III GCC	Pg. 42 of 63 Cl. 27.8.1	At the end of the Defect Liability Period, the contractor liability ceases except for latent defects. The contractor's liability for latent defects warranty for the plant and equipment including spares shall be limited to a period of five (5) years from the end of Defect Liability Period of the respective plant and equipment including spares. For the purpose of this clause, the latent defects shall be the defects inherently lying within the material or arising out of design deficiency which do not manifest themselves during the Defect Liability Period as defined in this GCC clause 27, but later.	Latent defects Liability period of five (5) years from the end of Defects Liability Period is very long. We request to consider latent defects period 3 years from Completion of facilities. List of equipment for which Latent defect period shall be mutually discussed and agreed upon during Contract Signing	As per NIT documents.
27	Vol I Sec-III GCC	Pg. 42 of 63 Cl. 27.8.1	At ….. For the purpose of this clause, the latent defects shall be the defects inherently lying within the material or arising out of design deficiency which do not manifest themselves during the Defect Liability Period as defined in this GCC clause 27, but later.	We request Employer to define Latent defect in line with industry practice . We propose the following modification for your consideration For the purpose of this clause, the latent defects shall be the **design** defects inherently lying within the material or arising out of design deficiency which do not manifest themselves during the Defect Liability Period as defined in this GCC clause 27, but later **and which may hinder or endanger the normal operation of the Plant.**	As per NIT documents.
28	Vol I Sec-III GCC	Pg. 46 of 63 Cl. 32.2	If any loss or damage occurs to the Facilities or any part thereof or to the Contractor’s temporary facilities by reason of (a)	Please add as d) “ (d) any loss or damage caused to the Facilities or any part thereof or to the Contractor’s Equipment by reason of any of the matters specified in GCC Clause 37.0 “	As per NIT documents.
29	Vol I Sec-III GCC	Pg. 48 of 63 Cl. 34.0	**Installation All Risks Insurance** Covering physical loss or damage to the Facilities at the Site, occurring prior to Completion of the Facilities, with an extended maintenance coverage for the Contractor’s liability in respect of any loss or damage occurring during the Defect Liability Period while the Contractor is on the Site for the purpose of performing its obligations during the Defect Liability Period.	Contractor shall take referred insurances till Taking over of the plant/Equipment. Any additional and / or thereafter, Employer is expected to take the suitable insurance policy for the plant / systems. During defect liability period ,if any components responds and necessitates replacement ,same shall be carried out as per the contract obligations, however equipment/plant insurance should be taken by the Employer. Please consider.	As per NIT documents.

30	Vol I Sec-III GCC	Pg. 51 of 63 Cl.36.0	**CHANGES IN LAWS AND REGULATIONS** 36.1 If, after the date seven (7) days prior to the last date of Bid submission, in the country where the Site is located, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract. However, these adjustments would be restricted to direct transactions between the Employer and the Contractor/assignee of Foreign Contractor (if applicable). **These adjustments shall not be applicable on procurement of raw materials, intermediary components etc. by the Contractor/assignee of foreign contractor and shall also not be applicable on the bought out items despatched directly from sub-vendor's works to site.** Notwithstanding the foregoing, such additional or reduced costs shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with Appendix 2 to the Contract Agreement.	We request Employer to delete the underlined sentence in the referred clause as change in law & regulations on indirect transaction and on procurement of raw materials; intermediary components etc. are beyond control of Contractor. Hence adjustments in referred clause shall also be applicable to indirect transactions and on procurement of raw materials, intermediary components etc. by the Contractor /its subcontractors.	As per NIT documents.

31	Vol I Sec-III GCC	Pg. 51 of 63 Cl. 37.1	37.1 "Force Majeure" shall mean any event beyond the reasonable control of the Employer or of the Contractor, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected	We request to elaborate the force Majeure clause as given below : "Force Majeure" shall mean any event beyond the reasonable control of the Employer or of the Contractor, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected, and shall include, without limitation, the following: (a) war, hostilities or warlike operations (whether a state of war be declared or not), invasion, act of foreign enemy and civil war (b) rebellion, revolution, insurrection, mutiny, usurpation of civil or military government, conspiracy, riot, civil commotion and terrorist acts (c) confiscation, nationalization, mobilization, commandeering or requisition by or under the order of any government or de jure or de facto authority or ruler or any other act or failure to act of any local state or national government authority (d) strike, sabotage, lockout, embargo, import restriction, port congestion, lack of usual means of public transportation and communication, industrial dispute, shipwreck, shortage or restriction of power supply, epidemics, quarantine and plague (e) earthquake, landslide, volcanic activity, fire, flood or inundation, tidal wave, typhoon or cyclone, hurricane, storm, lightning, or other inclement weather condition, nuclear and pressure waves or other natural or physical disaster (f) shortage of labor, materials or utilities where caused by circumstances that are themselves Force Majeure. Force majeure event shall also include force majeure events at Contractor and / its supplier's works/ place	As per NIT documents.
32	Vol I Sec-III GCC	Pg. 54 of 63 Cl.39.2.4	Upon receipt of the Change Proposal, the Employer and the Contractor shall mutually agree upon all matters therein contained including agreement on rates if such rates are not available in the Contract or if the limit of 15% set forth in Clause 39.2.3 has been exceeded. Within fourteen (14) days after such agreement, the Employer shall, if it intends to proceed with the Change, issue the Contractor with a Change Order.	Please delete the words "or if the limit of 15% set forth in Clause 39.2.3 has been exceeded" from the referred clause , as upon receipt of the any Change Proposal, the Employer and the Contractor shall mutually agree upon all matters irrespective of limit of 15% or not.	As per NIT documents.
33	Vol I Sec-III GCC	Pg. 58 of 63 Cl. 42.1.3 & 42.3.4	In the event of termination of the Contract under GCC Sub-Clause 42.1.1, the Employer shall pay to the Contractor the following amounts:	Request to amend the referred clause as given below: In the event of termination of the Contract under GCC Sub-Clause 42.1.1, the Employer shall return **the Bank Guarantees submitted by Contractor under the Contract and** pay to the Contractor the following amounts:	As per NIT documents.
34	Vol I Sec-III GCC	Pg. 58 of 63 Cl. 42.1.3	TERMINATION FOR EMPLOYER'S CONVENIENCE	we propose that the referred clause should be appended with the additional 3 points as mentioned below:- "(f) The cost of materials at the site, materials / equipment in transit and advances made to vendors or suppliers which are not recoverable. (h) Compensation on account of terminated works"	As per NIT documents.

35	Vol I Sec-IV SCC	Pg. 2 of 2 Cl. 3	"Completion of the Facilities" for Unit#1 is within 36 Months and for Unit#1 is within 42 Months as per the specification from the date of Notification of Award.	Typographical error:: " and for Unit#1" to be read as " and for Unit#2 Request to Consider "Completion of the Facilities" …. from the date of "Notice to Proceed" instead of "Notification of Award".	Please read the clause as : Completion of the Facilities for Unit#1 is within 36 Months and for Unit#2 is within 42 Months as per the specification from the date of Notification of Award. As per the NIT documents.
36	Vol I Sec-V ECC	Pg. 2 of 32 Cl. 1.01.00	The following provisions shall supplement the conditions already contained in the other parts of these specifications and documents and shall govern that portion of the work of this contract which is to be performed at site.	The given order of precedence does not specify order of priority of SCC , GCC & ECC We propose the following Order of precedence for your consideration : (a) This Contract Agreement and the Appendices hereto (b) All correspondence between the Employer & the Contractor in between issuance of Notification of Award & Signing of Contract Agreement (c) Notification of Award (d) post tender correspondence including minutes of meetings with the Contractor and record notes of tender negotiations; and (e) The Bid and Price Schedules submitted by the Contractor (f) Pre-bid replies & Amendment/Corrigendum/etc of NIT. (g) Special Conditions of Contract (h) General Conditions of Contract (i) Erection Conditions of Contract (h) Technical Specifications and Drawings	As per NIT documents.
	Vol I Sec-VI Form of Contract Agreement	Pg. 22 of 92 Cl. 1.1 & 1.2	**Article 1:- Contract Documents:** **1.1 Contract Documents** (Reference GCC Clause 2): The following documents shall constitute the Contract between the Employer and the Contractor, and each shall be read and construed as an integral part of the Contract: (a) This Contract Agreement and the Appendices hereto (b) All correspondence between the Employer & the Contractor in between issuance of Notification of Award & Signing of Contract Agreement (c) Notification of Award (d) Pre-bid replies & Amendment/Corrigendum/etc of NIT. (e) NIT including Tender documents (f) The Bid and Price Schedules submitted by the Contractor **1.2 Order of Precedence** (Reference GCC Clause 2): In the event of any ambiguity or conflict between the Contract Documents listed above, the order of precedence shall be the order in which the Contract Documents are listed in Article 1.1 (Contract Documents) above.		
37	Vol I Sec-V ECC	Pg. 2 of 32 Cl. 8.01.00	The Contractor …. If the work of the Contractor is delayed because of the any acts of omission of another Contractor, the Contractor shall have no claim against the Employer on that account other than an extension of time for completing his works.	Contractor shall be entitled for any cost incurred due to such delays which are not attributable to Contractor	As per NIT documents.
38	Vol I Sec-V ECC	Pg. 11 of 32 Cl.23.03.00	**Time is the essence of the Contract and the** Contractor shall be responsible for performance of his works in accordance with the specified construction schedule….	Please delete the underlined sentence of the referred clause.	As per NIT documents.

39	Vol I Sec-V ECC	Pg. 12 of 32 Cl. 26.00.00	The Contractor shall be responsible for any damage resulting from his operations. He shall also be responsible for protection of all persons including members of public and employees of the Employer and the employees of other Contractors and Sub- Contractors and all public and private property including structures, building, other plants and equipments and utilities either above or below the ground.	Please add at the end of refereed clause "forming part of scope of Contractor "	As per NIT documents.
40	Vol I Sec-V ECC	Pg. 13 of 32 Cl. 28.00.00	**UNFAVOURABLE WORKING CONDITIONS**	Any Unfavorable working conditions encountered during performance of Contract , Same shall be construed in accordance with GCC Clause 35.0 (Unforeseen conditions)	As per NIT documents.
41	Vol I Sec-V ECC	Pg. 21 of 32 Cl. 30.22.00	**Right to stop Work.** b) The Contractor shall not be entitled for any damages / compensation for stoppage of work due to safety reasons and the period of such stoppage of work shall not be taken as an extension of time for Completion of the Facilities and will not be the ground for waiver of levy of liquidated damages.	We understand this clause is applicable only if reasons of stoppage are due to reasons solely attributable to Contractor.	As per NIT documents.
42	Vol I Sec-VI Integrity pact	Pg. 12 of 92	Whereas it has been directed by the Damodar Valley Corporation, Principal and the Central Vigilance Commission, New Delhi that all undertakings and/or other concerns of the Principal shall execute an Integrity Pact with contracting parties/bidders in all forthcoming contracts/tender processes above the prescribed value of Rs.15 Crore, it is necessary to execute an Integrity Pact between such parties. Pursuant thereto, the present Integrity Pact is being executed.	As per referred clause , We understand that The Bidder/Contractor undertaking to demand from all sub-contractors a commitment that they shall conform to this Integrity pact shall be applicable for Subcontracts greater than value of Rs.15 Crore. Please confirm whether our understanding is correct.	As per NIT documents.
		Pg.17 of 92	EQUAL TREATMENT OF ALL BIDDERS/CONTRACTORS/SUB-CONTRACTORS 1. The Bidder/Contractor undertakes to demand from all sub-contractors a commitment that they shall conform to this Integrity pact, and they shall submit such undertaking to DVC before signing of the contract.		
43	Vol I Sec-VI APPENDIX - 1	Pg. 25 of 92 Cl. 1.0 & 2.0	1.The payment of advance is normally discouraged. If the Contractor wishes to take the advance, the advance payment, may be given as Interest bearing advance Payment on fulfilling the following:- 2. If the Contractor wishes to take the interest bearing advance, the payment terms shall be as below:-	We request Employer to provided interest free advance. □	As per NIT documents.
44	Vol I Sec-VI APPENDIX - 1	Pg. 25 of 92 Cl.1.0	(ii) Submission of an unconditional Bank Guarantee covering the 110% of the advance amount which shall be kept valid upto (ninety) 90 days beyond the schedule date of successful Completion of the Facilities under the Package. Proforma of Bank Guarantee is enclosed in Section - VI - Bank Guarantee Form for Advance payment.	We request to consider Bank Guarantee covering the upon 100% of the advance amount instead of 110%.	As per NIT documents.

45	Vol I Sec-VI APPENDIX - 1	Pg. 26 of 92 Cl. 2	A.1 For FOB Price Component of Plant and Equipment: (I) Five Percent (5%) of the total FOB price component of Contract price as Interest bearing Advance Payment on fulfilling of the Clause No.1 above. (II) Next Five Percent (5%) of the total FOB price component of Contract price as Interest bearing Advance Payment on receipt of first consignment of equipment at site and physical verification and certification by the Project Manager of the equipment received and stored at site.	We request Employer to provided interest free advance and 10% Advance Payment on fulfilling of the Clause No.1 without linking to receipt of first consignment of equipment at site and physical verification and certification by the Project Manager of the equipment received and stored at site Please consider	As per NIT documents.
	Vol I Sec-VI APPENDIX - 1	Pg. 27 of 92 Cl. 2	**B. Schedule No. 2: Plant and Equipment (excluding Mandatory Spares & Type Test) quoted on Ex-Works (India) basis:** In respect of Plant and Equipment supplied from within the Employer's country the following payment shall be made: For Ex-works Price component of Plant and Equipment: (I) Five Percent (5%) of the total Ex-works price component of Contract price as Interest bearing Advance Payment on fulfilling of the Clause No.1 above. (II) Next Five Percent (5%) of the total Ex-works price component of Contract price as Interest bearing Advance Payment on receipt of first consignment of equipment at site and physical verification		

46	Vol I Sec-VI APPENDIX - 1	Pg. 26 to 30 of 92 Cl. 2	**Schedule No.1: Plant and Equipment (excluding Mandatory Spares & Type Test) quoted on CIF (Indian Port-of-entry) basis** A1 (V) Ten percent (10%) of total FOB price component of the contract price on successful Completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager . B. Schedule No. 2: Plant and Equipment (excluding Mandatory Spares & Type Test) quoted on Ex-Works (India) basis: B(V) Ten percent (10%) of total Ex-works price component of the Contract price on successful Completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager F. Schedule No. 4: Civil Works: (III) Ten percent (10%) of the total Civil Works price of Contract Price on successful Completion of Guarantee Test of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager. G. Schedule No. 4: Structural Works (VI) Ten percent (10%) of the total Structural Works price component of Contract Price will be paid on successful Completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager.	We request Employer for payment of preferred 10% payment into two parts: 5% to be paid on Completion of the Facilities and issuance of Completion Certificate by the Project Manager. 5% on successful Completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager .	As per NIT documents.

47	Vol I Sec-VI APPENDIX - 1	Pg. 28 of 92 Cl.2 E	**E. Schedule No. 4: Installation Services excluding Civil works and Structural Works** (I) Ten Percent (10%) of the total installation service component of the Contract Price will be paid to the Contractor as Interest bearing Advance Payment on fulfilling of the Clause No.1 above and establishing their office at site preparatory to mobilisation of their erection establishment. **F. Schedule No. 4: Civil Works:** The foreign currency portion as well as Local Currency portion of the Civil Works Price Component of the Contract Price shall be paid as under: (I) Ten percent (10%) of the total Civil Works Price component of the Contract Price will be paid to the contractor as interest bearing advance payment on fulfilling of the Clause No.1 above and establishment their office at site in preparatory to commencement of Civil Works. **G. Schedule No. 4: Structural Works** The Foreign Currency portion as well as Local currency portion of the Structural Works Price Component of the Contract Price shall be paid as under: (I) Ten Percent (10%) of the total Structural works Price component of the Contract Price will be paid to the Contractor as interest bearing advance payment on fulfilling of the Clause No.1 above and establishing their office at site in preparatory to commencement of structural works.	We request Employer not to link Advance payment for Installation Services, Civil and structural works with Establishing their office at site preparatory to mobilization of their erection / to commencement of Civil Works, structural works. Advance to be paid for Installation Services, Civil and structural works along with advance payment for Supplies.	As per NIT documents.
48	Vol I Sec-VI APPENDIX - 1	Pg. 28 of 92 Cl.2 E	**E. Schedule No. 4: Installation Services excluding Civil works and Structural Works** (II) Seventy Five (75%) of the installation service component of Equipments Price shall be paid against progressive erection of the equipments identified on certification by the Project Manager for the quantum of work completed and by the Project Manager's field quality surveillance representative for the successful completion of quality check points involved in the quantum of erection work billed. (III) Five percent (5%) of the Installation service component of Equipment Price on successful Completion of the Facilities and issuance of Completion Certificate by the Project Manager. (IV) Ten percent (10%) of the total installation services component of Equipment Price will be paid on successful completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager.	We request Employer limit final payment to 5%. We propose (II) **Eighty (80%)** of the installation service component of Equipments Price shall be paid against progressive erection of the equipments identified on certification by the Project Manager for the quantum of work completed and by the Project Manager's field quality surveillance representative for the successful completion of quality check points involved in the quantum of erection work billed. (III) **Five percent (5%)** of the Installation service component of Equipment Price on successful Completion of the Facilities and issuance of Completion Certificate by the Project Manager. (IV) **Five percent (5%)** of the total installation services component of Equipment Price will be paid on successful completion of Guarantee Tests of entire Coal Handling Plant Package and issuance of Operational Acceptance Certificate by the Project Manager.	As per NIT documents.

49	Vol I Sec-VI APPENDIX - 1	Pg. 29 of 92 Cl. H	Any addition due to adjustment to the Contract Price shall be payable in the similar manner as provided in the clauses 2.A to 2.G above. The price adjustment amount corresponding to advance payment shall be clubbed with the first progressive payment of that equipment. Reduction to the Contract Price, if any, due to price adjustment provisions, shall be effected by recovering 100% of the reduction amount (including advance) from any of the Contractor's bills falling immediately due for payment.	Similar to addition, of any reduction to the Contract Price, if any, due to price adjustment provisions, shall be effected in the similar manner as provided in the clauses 2.A to 2.G.	As per NIT documents.
50	Vol I Sec-VI APPENDIX - 1	Pg. 30 of 92 Cl. 2.1	**2. Currency of Payment** **2.1** The foreign currency portion of the contract price shall be paid in equivalent Indian rupees at exchange rate (bill selling rate of SBI) prevailing on the date of payment.	We request for Payments to be made to Contractor in currencies Quoted.	As per NIT documents.
51	Vol I Sec-VI APPENDIX - 1	Pg. 31 of 92 Cl. 4	**4. Due Dates for Payment** 4.1 The advance payment amount shall be payable after fulfillment of all the conditions laid down in the Terms of Payment (Appendix 1 to the Contract Agreement) and receipt of the Contractor's invoice along with all necessary supporting documents for such advance payment. Employer will make progressive payment as and when the payment is due as per the Terms of Payment set forth in Appendix 1 to the Contract Agreement. Progressive payment other than that under the letter of credit will become due and payable by the Project Manager within forty five (45) days from the date of receipt of Contractor's bill/invoice/debit note by the Employer, provided the documents submitted are complete in all respects.	Tender is silent on Advance payment due date , We understand Advance shall be paid within 10 days of receipt of documents specified at Appencdix-1 of Form of Contract Agreement Further all other payments other than that under the letter of credit shall become due and payable by the Project Manager within 30 days from the date of receipt of Contractor's bill/invoice/debit note by the Employer.	As per NIT documents.
52	Vol I Sec-VI APPENDIX - 1	Pg. 31 of 92 Cl. 5	5.1 The Employer will establish an irrevocable Letter of Credit (L/C) in favour of the Contractor through the Employer's Bank in Employer's country for payments due, as per Terms of Payment, on despatch of equipment i.e. Ex-works/CIF despatch of equipment (including due payments towards ocean freight and marine insurance).	We request L/C to be established for 100% Ex-works/CIF component other than for advance payment.	As per NIT documents.

53	Vol I Sec-VI APPENDIX - 2	Pg. 34 of 92 Cl. iii	iii) Only following components of the Contract Price will be subject to Price adjustment: (a) Ex-Works prices for the plant and equipment excluding Mandatory Spares and Type Test Charges supplied from Employer's country (covered in Schedule 2) and FOB price component for plant and equipment excluding Mandatory Spares and Type Test Charges supplied from abroad (covered in Schedule 1). The price adjustment amount towards these price components shall be subject to a ceiling of twenty percent (20%) of Ex-Works/FOB price component of the contract price respectively. (c) Civil Works Price Component of Contract Price (Covered in Schedule 4). The Price Adjustment amount towards these price components shall be subject to ceiling of fifteen percent (15%) of civil works Price Component. (d) Structural Works Price Component of Contract Price (covered in Schedule 4). The Price adjustment amount towards these price components shall be subject to ceiling of fifteen percent (15%) of Structural Works Price component.	We request to consider price adjustment for the following components of the Contract Price without any ceiling.	As per NIT documents.
54	Vol I Sec-VI APPENDIX - 6	Pg. 56 of 92 Cl.1	Space: The Contractor shall intimate the Employer within (30) days from the date of acceptance of the Notification of Award, about his exact requirement of space for his office, storage area, preassembly and fabrication areas, toilets, labour colony, etc. The above requirement shall be reviewed by the Employer and space as decided by Employer will be allotted to the Contractor, if available at site , on "as is where is condition", for construction of his temporary structures/facilities like office, storage sheds, pre-assembly and fabrication areas, toilet, labour colony, etc. for Contractor's as well as his Sub- Contractor's use	We request Employer to confirm on availability of space for his office, storage area, preassembly and fabrication areas, toilets, labour colony, etc	As per NIT documents.
55	Vol I Sec-VI APPENDIX - 6	Pg. 56 of 92 Cl.2	Electricity:- a) Construction Power: The ….. The Contractor shall be provided with supply of electricity for the purpose of contract only at mutually agreed one location in the Employer's site at 415 V voltage level. The supply of electricity for the purpose of Contract shall be of chargeable basis as per prevailing rate at site.	We request Employer to provide Construction power free of cost to Contractor.	As per NIT documents.
56	Vol I Sec-VI APPENDIX - 6	Pg. 57 of 92 Cl.6	Water: Contractor shall make all arrangements himself at his own cost for the supply of construction water as well as potable water at the work site.	We request Employer to provide Construction water with required pressure and quality at multiple locations within plant boundary free of cost. However Distribution from local sump shall be under contractor scope.	As per NIT documents.
57	Vol I Sec-VI APPENDIX - 6	Pg. 57 of 92 Cl.7	Accommodation: Bachelor type accommodation, if available, may be provided by the Employer in his colony area at chargeable basis as per DVC's Prevailing rate at site.	We request Employer to provide the rates for purpose of costing.	As per the prevaling rate at site.

58	Vol I Sec-VI APPENDIX - 8	Pg. 62 of 92 Cl.3.01.00	If the guarantees specified are not achieved by the Contractor within 90 days or a reasonable period allowed by the Project Manager, of notification by the Employer, the Employer will have the right to reject the equipment/system and recover the payment already made or accept the equipment/system only after levying liquidated damages listed therein against the Contractor and such amounts shall be deducted from the Contract Price:	In case of failure of achievement of the performance guarantee parameters but if Contractor attains the acceptance level of performance guarantee parameters, Liquidated damages as applicable for shortfall in performance as specified under the contract shall be the sole remedy to Employer.	As per NIT documents.
59	Vol I Sec-VI APPENDIX - 8	Pg. 62 of 92 Cl. 3.01.00	**A Shortfall in Capacity** **Table heading** " Liquidated Damages for Shortfall in capacity for deficiency of 1% or part thereof in guaranteed capacity "	We request Employer to please delete the words " part thereof" from the referred clause. Else it shall be misconstrued as even for any shortfall less than 1% shortfall the indicated LD rate shall be applicable which is totally unreasonable.	As per NIT documents.
	Vol I Sec-VI APPENDIX - 8	Pg. 62 of 92 Cl. 3.01.00	LD for short fall in **conveyor capacity** for deficiency of 1% or part thereof in guaranteed capacity :		
	Vol I Sec-VI APPENDIX - 8	Pg. 62 of 92 Cl. 3.01.00	2. LD for short fall in **capacity of major equipment** for deficiency of 1% or part thereof in guaranteed capacity		

60	Vol I Sec-VI APPENDIX - 8	Pg. 62 of 92 Cl. 3.01.00	LD for short fall in **conveyor capacity** ….. in guaranteed capacity : US $ 10,40,802	The LD rate for shortfall in conveyor capacity is high. We request Employer to relax the LD rates given under Tender specification.	As per NIT documents.
	Vol I Sec-VI APPENDIX - 8	Pg. 62 of 92 Cl. 3.01.00	2. LD for short fall in **capacity** of major equipment …. In guaranteed capacity (a) Paddle Feeder US $ 2,455 (b) Crusher US $ 2,323 (c) Roller Screen Feeder US $ 621 (d) Apron Feeder US $ 1,758 (e) Stacker Reclaimer US $ 19,074	The LD rate for shortfall in capacity of major equipment is high. We request Employer to relax the LD rates given under Tender specification.	As per NIT documents.
61	Vol I Sec-VI APPENDIX - 8	Pg. 61 of 92 Cl. 1.01.00	Major Equipment Capacity (iv) Wagon Tippler (1 Nos.) 25 tips per hour	Contractor shall design wagon tippler for 25 tips per hour. However we request Employer not to insist on Guarantee and application of LD □	As per NIT documents.
	Vol I Sec-VI APPENDIX - 8	Pg. 62 of 92 Cl. 3.01.00	3. LD for shortfall in capacity of wagon tippler For deficiency of one tips per hour : US $ 71,389		
62	Vol I Sec-VI APPENDIX - 8	Pg. 63 of 92 Cl.3.03.00	Contractors aggregate liability to pay liquidated damages for failure to attain the functional guarantee shall not exceed twenty five (25%) percent of the contract price and such amount shall be recoverable by operating the Performance Bank Guarantee of the Contractor or deduction from the contract price or otherwise.	25% of ceiling on LD for failure to attain the functional guarantee is too high. We request Employer to consider Liquidated Damages Ceiling for Performance Shortfall:5% of Unit Contract price	As per NIT documents.
63			Liquidated Damages	The contract price to be used for LD calculation shall be net contract price without Taxes & Duties.	As per NIT documents.
				We understand LD shall be applicable unit wise. For purpose of levy of Liquidated Damages, contract price of an Unit shall mean 50% of total Contract price	As per NIT documents.
				Tender is silent on Ceiling for Liquidated Damages towards Performance Shortfall and Delay: We request Employer to consider Overall Liquidated Damages Ceiling for any Performance shortfall and delay: 7.5% of Unit Contract price	Please refer clause 3.03.00 of Appendix-8 to the from of Contract Agreement in BFP(Section-VI of Volume-I.
64			Third Party Inspection □	In the event Employer requires third Party inspection , same shall be arranged by Contractor at Employer's cost.	As per NIT documents.
65			Interest on delayed payment	In the event that the Employer fails to make any payment by its respective due date or within the period set forth in the Contract, the Contractor shall be entiled for interest on the amount of such delayed payment at the rate(s) calculated at the rate of SBI PLR plus 1% for the period of delay until payment has been made in full and such entitlement shall be without formal Notice and without prejudice to any other right or remedy.	As per NIT documents.
66			Access to site	We understand Employer shall provide to Contractor full possession of land and accord all rights of access thereto including special or temporary way leaves along with requisite rights of way to contractor on or before the Effective date.	As per NIT documents.

67			Custom Clearances	All demurrage, wharfage and other expenses incurred due to delayed loading or clearance of the materials, for any reason attributable to Employer shall be to the account of the Employer.	As per NIT documents.
68			Direct Transactions	We understand the materials / goods supplied under sale in transit and / or high sea sales shall also be considered as direct transactions between Employer and Contractor.	All BOI's are indirect transaction.
69			Royalty	Since the subject project is required to be executed on owner's land or premises, we understand that no Royalty and fees are required to be paid during the excavation works in the Project Plant premises.	As per NIT documents.
70			Inputs provided by Employer	In case of any variation in inputs provided by the Owner during the tendering stage, commercial implication on account of the same shall be mutually discussed and agreed upon	This is an EPC contract.The inputs provided in the NIT documents is indicative only. Inputs as per technical requirements/site constraints shall be firmed up at the time of detail engineering and contract execution when required. This has to be incorporated by the bidder without any additional financial implication to the OWNER(DVC).
71			Liquidated damages	We understand LDs that are levied for delay shall be returned to Contractor if : • Project meets overall project completion schedule. • Delay by Contractor doesn't affect site works schedule. • If delay of Contractor is not the sole cause for delay in overall project Completion	As per NIT documents.
72			Access road and temporary service roads	We understand within the Plant boundary, Employer shall be responsible for providing access road and temporary service roads for contractors use. Any strengthening, widening of roads and bridges shall be done by the Employer.	Existing access to the site shall be used by the bidder.However,all temporary roads/access road to different installations shall be under bidder's scope.Any strengthening, widening of roads and bridges if required, shall be in the bidder's scope.