

PRE-BID CLARIFICATIONS FOR LHP GHP: NTPC DADRI FGD

Enquiry No. : 77/18/6001/ANA dtd. 07.04.2018

Item : LHP and GHP for FGD Package

Project : NCTPP Dadri Stage - II (2 X 490 MW)

Sl.No.	Tender Vol. & cl. No.	Description	Bidder Query	BHEL ISG reply/comments/confirmation
A) Commercial Queries				
1	Tender Notice	Tender submission date	Request you to kindly extend the date of submission upto 15th May, 2018.	Due date for submission of offer has been extended up to 14.05.2018
2	Payment Terms, Cl No. 20, of SCC Page 9 , 10 of 32	Even if the price basis for ordering is Ex-works /CFR India Port, the scope of the vendor shall include delivery of goods / services at the destination (project site)...	The clause is contradictory. Since the price is ex-works basis, therefore the packing, freight and transit insurance will be whose scope: kindly clarify.	Prices are inclusive except transit insurance and GST extra as applicable.
3	Price basis, Cl No. 16, of SCC Page 6 , 10 of 32	Terms of Payment shall be as under: A) For Supply of Goods (Main Supply).....	We propose following payment terms: 1. 10% Advance against ABG. 2. 70% on Pro-rata basis. 3. 5% against commissioning. 4. 5% against PG Test.	Please refer SCC Rev-01 for revised payment terms.
4	Payment Terms, Cl No. 20, of SCC Page 10, 11 of 32	Terms of Payment shall be as under: B)For Supply of Services.....	We shall follow the payment terms as per GCC, Cl. No. 9.0, Page no. 9 of 28. In addition, Request you to kindly revise the last 10% payment payment as follows: 1. 5% Shall be paid against Commissioning. 2. 5% Shall be released against PG Test. In case PG Test will get delayed the 5% amount shall be released against submission of PBG. CPBG shall be converted to PBG which will be valid till defect liability period.	Please refer SCC Rev-01 for revised payment terms.

PRE-BID CLARIFICATIONS FOR LHP GHP: NTPC DADRI FGD

5	Payment Terms, Cl No. 20, of SCC Page 10, 11 of 32	Terms of Payment shall be as under: C) For O & M Services..... Note: Bank guarantee of equivalent amount of O&M charges for 10 years shall be	We propose the bank guarantee shall be furnished equivalent amount of 1 years O&M Contract value only not for 10 years and the BG amount shall be revised every year @ 3% escalation in line with the cl. No .16, Price basis, Page no . 6 of 32.	Please refer SCC Rev-01 for revised BG clause for O&M.
6	Maximum deduction for LD for shortfall in Guaranteed Performance & for shortfall in capacity, Cl No. 28, of SCC, Page 13 of 32	Vendor aggregate liability towards LD for shortfall in Guaranteed Performance as mentioned at clause no. 26 of this	Total ceiling of LD for shortfall in guaranteed power and guaranteed Performance and LD for delay shall be limited to maximum 7.5%.	No Change in tender terms.
7	Validity of Price, Cl. No. 7.0 of GCC, Page 6 of 11	iv) Unit price for scope.....	We propose that the Unit price for scope shall be valid for four months.	No Change in tender terms.
8	Variation of contract Value, Cl. No. 6.0 of GCC, Page 7 of 28	Price shall remain firm....	We propose due to the volatile price of steel, kindly incorporate the PVC (Price Variation Clause) for Supply portion. For any increase or decrease in scope upto plus or minus 5% will not attract any additional cost but beyond that the same will attract price adjustment.	No Change in tender terms.
9	Price Format for Indian Bidder, Sl. No. C.2 of C of column (b)	Operation and Maintenance services for next 9 years (@3% escalation per year shall be given on the O&M cost from 2nd year onwards to be considered)	As specified, the particular box will be filled by BHEL, as a result bidder cannot calculate and fill the Grand Total in the Price Bid as specified "Grand Total for arriving at "L1" (sl. no. A+B+C)"request you to kindly clarify.	BHEL will calculate the Grand total price for evaluation as per revised price format.

PRE-BID CLARIFICATIONS FOR LHP GHP: NTPC DADRI FGD

10	Price Format for Indian Bidder,	Total price of 10 years operation and maintenance for LHP and GHP.	At this stage the assessment of spares for 10 years is very difficult, it can be done after detail engg. Hence we request you to kindly exclude the spares for 10 years O&M from Evaluated Price. The list of 10 years spares can be finalised after order finalisation. Kindly confirm.	No Change in tender terms.
11	Loading Criteria of Power Consumption, Cl. No. 25.0 of SCC, Page 12 of 32 and Annexure-I to SCC.	Guaranteed Power Consumption at Rated Capacity.....Acceptable Shortfall Limit with LD for guaranteed auxiliary power beyond shall be (+)1% of limiting value of guaranteed auxiliary power.	Please provide the name of the item/equipment to be considered for auxiliary power calculation and also mention the Guaranteed Auxiliary Power in KW.	Bidder to assess the equipment, items, components required for auxiliary power calculation in line with technical specification, all NIT documents, flow diagram & annexure of this tender.
12	Ref. doc, 004_Annexure-1_0 & M Services for 10 years, Page no. 3	Bidder has to take Comprehensive Annual Maintenance Contract (AMC) from Original Equipment Manufacturer (OEM) or OEM authorized service provider for motors and equipment deemed necessary as per experience of Contractor. - The AMC document along with authorization document (if applicable) has to be submitted before completion of trial run.	Since the total responsibility of 10 years O&M is under Contractor, this clause is contradictory. AMC from OEM cannot be done for individual equipment. Contractor will take the responsibility for every equipment within the battery limit. Kindly remove the clause.	Bidder to follow technical specification.
13	Cl. No. 12 of SCC	Contract Schedule (Supply + E&C): 13 months from date of LOI.	Please confirm that the engineering approval time shall be within a week of submission of documents. Please also confirm that work front will be made available as per L2 schedule	As per NTPC standard practice, approval/review shall be given 14 days from date of submission. Front availability shall be made as per L2 schedule.

PRE-BID CLARIFICATIONS FOR LHP GHP: NTPC DADRI FGD

14	Cl. No. 15 of SCC	Defect liability Period: Completion of facilities/Operational acceptance of facilities	we consider, "Facilities" mentioned herewith does not include the O&M services.	Confirmed
15	Cl. No. 20 of SCC	Payment Terms:	Supply Payment terms of this RFQ offers a long term negative cash flow even though this project needs to be executed on a fast track mode. Hence we request BHEL to adopt the normal payments terms offered to its sub-contractors for other recent coal/ash handling packages of BHEL – like Maitree/Karimnagar/....	Please refer SCC Rev-01 for revised payment terms.
16	Cl. No. 20 of SCC	Payment Terms:	Bank Guarantee for O&M: The initial validity of this BG shall be atleast 133 months plus additional 3 months claim period and further extended till completion of ten year O&M services. Arranging a BG for such a long term of 11+ years is not feasible. We request to accept a BG with initial validity upto 5 years, which can be extended further for 5years and finally extended till completion of O&M services.	Please refer SCC Rev-01 for revised BG clause for O&M.
17	Cl. No. 24 of SCC	LD for delay:	We request you to have the said LD rate per week instead of per day.	No Change in tender terms.

PRE-BID CLARIFICATIONS FOR LHP GHP: NTPC DADRI FGD

18	Cl. No. 20 of SCC	Existing Payment terms	PAYMENT TERMS: a) Advance for 10% of the Contract Price excluding taxes and duties, within 30 days of submission a Bank Guarantee (ABG) of equivalent amount valid till the completion of supply b) 5% of the Contract Price excluding taxes and duties within 30 days of submission of Design and Engineering Drawings / Documents and approval by BHEL c) 50% of Contract Price plus taxes and duties on receipt of the materials at site in good condition along with Inspection Certificate issued by BHEL; d) 20% of Contract Price excluding taxes and duties on assembly and erection at Site subject to the certification by BHEL. e) 10% of Contract Price excluding taxes and duties on satisfactory commissioning of the Plant. f) 5% of Contract Price excluding taxes and duties on completion of PG Tests. g) Spares (i) 80% payment along with taxes, duties and freight charges on production of dispatch document duly certified by the Engineer-in-Charge; (ii) 25% payment on receipt of material and	Please refer SCC Rev-01 for revised payment terms.
19		Recommended spares list	since 10 years O&M including spares is in bidders scope, is it required to submit recommended spares list with the bid	Bidder to furnish the list in line with tender specs.



PREBID CLARIFICATIONS FOR LHP GHP: NTPC DADRI FGD

SL NO	DOCUMENT	SECTION/CLAUSE	BIDDER'S QUERY	BHEL RESPONSE	BIDDER'S CONFIRMATION
1		GENERAL		Successful bidder has to give the list of BOI (Brought out items) at the earliest and place PO for all BOI within 15 days from the date of LOI and submit PO copies along with "Acceptance of LOI" from the sub vendor.	
2		GENERAL		Successful bidder should visit DADRI site immediately after placement of order and do the survey and finalize following activities. a) for finalizing modification scheme of existing conveyor gallery for tapping arrangement. b) to check the coordinates of various structures/ building as per the layout and interference with existing facilities.	
3		GENERAL		In view of tight schedule of the project & order placement commitments within 15 days vendor shall adhere to the NTPC preferred vendor list of sub vendor in Annexure-01.	
4		GENERAL		Successful bidder should adhere for the submission of drawings listed in Annexure-02 & start submitting the drawings immediately after placement of LOI.	
5		GENERAL		In order to fasten up the engineering, the following drawings will be furnished to the successful bidder for enabling them to incorporate the details of the equipments etc as required and submit for approval BHEL/NTPC a) GA drawing of LTP-1 b) GA drawing of Limestone crusher house c) GA drawing of LBCN 1AB d) GA drawing of Limestone silo e) GA drawing of LBCN 2AB f) GA drawing of LBCN 3AB g) GA drawing of Gypsum conveyor h) GA drawing of LTP-2 These drawings shall be submitted in the title block of BHEL	
6	Technical enquiry specification, Page 3 of 19	NTPC shall provide 2 nos 415 V feeder.....	Please provide the location of the feeder to assess the required cable length. Also request you to kindly provide the prevailing rates for our estimate.	Bidder to refer the plot plan to estimate the cable length and FGD MCC room is already marked.	
7	Technical enquiry specification, Page 4 of 19	Test and handing over to NTPC.....	Please provide the list of free issue items to be erected by us along with weight.	Description of free issue items are furnished in the tender. Bidder to assess and decide the weights and other details of the same	
8	Technical enquiry specification, Page 4 of 19	Electric Hoist	Please provide the quantity and criteria for EH.	Bidder to refer the technical specification	
9	Technical enquiry specification, Page 5 of 19	Truck Tippler 40T Capacity (60T Gross Weight)	Please provide the model and dimension of Truck.	Bidder to decide based on the tonnage furnished in the tender	
10	Technical enquiry specification, Page 5 of 19	Weigh Bridge 100MT.....	Please provide the the model / dimension of truck.	Bidder to decide based on the tonnage furnished in the tender	
11	Technical enquiry specification, Page 8 of 19	DE System.....	We assume that no DE to be supplied at Plough diverters on LBC 1A/B at LTP-1	DE system is not required at the installation location of plough diverter inside the existing conv. Gallery. However at the receipt point of feed from plough divider on to the LBCN 1AB (inside LTP-1), DE system shall be provided.	



PREBID CLARIFICATIONS FOR LHP GHP: NTPC DADRI FGD

12	Technical enquiry specification, Page 8 of 19	Write up for DE System.....	In the flow diagram 6130-109-LGH-PVM-F-007-02 DE system is not shown in LTP-2 building. Please confirm whether DE is required or not here.	DE system is required for surface feeder and receipt points of feed from surface feeder on to LBCN 3AB in LTP-2	
13	Technical enquiry specification, Page 9 of 19, Cl. No. 14	Receipt, & unloading at site.....Preservation.....	Contradiction with price bid B.1 ...pls confirm whether storage is in bidder's scope?	Receipt & unloading at site, lifting, shifting, preservation & security, shifting to erection work place, Erection & Commissioning of all free issue items like HT motor and its associated spares shall be in bidder's scope	
14	Technical enquiry specification, Page 9 of 19, Cl. No. 16., Sub Cl. (a)"		During detail engineering ,after design approval of our drawings we do no envisage for extra foundations. However, minor additional requirement for civil works, if arises , can please be provided by BHEL as bringing civil resources for a small quantum civil work shall be very costly for us.	Bidder to follow technical specification	
15	Technical enquiry specification, Page 9 of 19, Cl. No. 28	Day silo	Please provide the drawing of Day Silo (Like diameter, feedeinge arrangemnt, opening dimension, location etc.	Tentative drawing attached	
16	Technical enquiry specification, Page 9 of 19, Cl. No. 35 & 36	Bidder to note that time is the essence of this contract, thus they shall furnish the submission schedule for drgs. along with the bid.....	Please be informed that during tender stage it nt possible to furnish the exact drawing submission schedule. Only Bar Chart can be submitted along with the bid.	Bidder to follow technical specification	
17	Ref. Document Tentative Power Calculation, Page no. 16	Discharge Height of Box Feeder/Surface feeder/Reclaim feeder	As per the document, the height of discharge of Reclaim feeder shall be in between 3.5m to 4.0m. Please confirm. Also please clarify the reclaim feeder conveyor shall be metallic or belt conveyor.	Bidder to decide the same. As mentioned in techjical spec, for whatever model of box feeder bidder is proposing credentials like end user certificate, PO copies, commissioning certificates etc shall be furnished	
18	Price bid A.3		Please clarify the battery limit of surface area. Like retaining wall will be who's scope.	Retaining wall is in not in bidder's scope	
19	Price bid A.48		Please elaborate the escope for modification.	Bidder to deicde the same after doing site visit. The drawing of existing conveyor fro which tapping is to be done is attached	
20	Annexure-2	General	Please let us know whose scope is the liner for limestone storage silo is	4 mm thick SS 304 shall be supplied and fixed by the successful bidder in conical portion of the storage silos. In addition to this suitable number of chute vibrators shall be provided the storage silos. Number of chute vibrators shall be decided by the bidder	
21	Plot plan	General	What is the length of LBCN 3AB conveyor to be considered? It is found that distance between dtorage silo and day silo is more	Bidder to consider 244m as the length of LBCN 2AB	
22	Scope matrix	SI No 24	Should bidder consider tramp iron trolley or tramp iron container? How many numbers	Bidder to consider tramp iron trolleys (4 numbers) for crusher house	
NOTE:- BIDDER SHALL SUBMIT SIGNED & STAMPED COPY OF THIS PREBID CLARIFICATIONS INDICATING CONFIRMED AGAINST EACH ITEM ALONG WITH THEIR OFFER					

	PROJECT: NTPC DADRI FGD PACKAGE: FGD PACKAGE CONTRCATOR/ MAIN SUPPLIER: BHEL-ISG BANAGAL			LIST OF PREFERED VENDOR LIST FOR MAJOR ITEMS Sub systems: Mechanical		Doc. No: NTPC PREFERED VEDNOR	
	Revision No: 00						
		ANNEXURE-01					
SR.NO	ITEM	QP/INS- PNCAT	QP NO.	PROPOSED SUPPLIER	PLACE	SUB-SUPPLIERS APPL STATUS /CATEGORY	REMARKS
1	CRUSHER & VIBRATING GRIZZLY FEEDER FOR LIME/ GYPSUM HANDLING SYSTEM	I		TRF LTD.	JAMSHEDPUR		
		I		LARSEN & TOUBRO	KANSBAHAL		
		I		ELECON ENGINEERING CO.	V V NAGAR		
		I		MCNALLY BHARAT ENGINEERING LTD	KOLKATA		
		I		THYSSENKRUPP INDUSTRIES INDIA PVT LTD.	PUNE		CRUSHER ONLY
		I		SANDVIK ASIA PRIVATE LIMITED	FINLAND		
		I		TERRASOURCE GLOBAL CORPORATION	USA		CRUSHER ONLY
		I		MCNALLY SAYAJI ENGINEERING LIMITED	KUMARDHUBI		
2	FABRIC BELTING (F R GRADE)	I	RQP	PHOENIX CONVEYOR BELT	KOLKATA		UPTO 2000 MM WIDTH
		I	RQP	SEMPERTRANS NIRLON (P) LTD	MUMBAI		UPTO 1600 MM WIDTH
		I		HINDUSTAN RUBBERS	SILVASA		UPTO 1600 MM WIDTH
		I		NORTHLAND RUBBER	SONEPAT		UPTO 2200 MM WIDTH.
		I		ORIENTAL RUBBER INDUSTRIES LTD.,	PUNE		UPTO 2200 MM WIDTH
		I		IMASS S.A	GREECE		UPTO 2400 MM WIDTH
		I		MRF	CHENNAI		UPTO 1600 MM WIDTH
		I		RAVASCO TRANSMISSION LTD.	VAPI		UPTO 2200 MM WIDTH
		I		FORECH	CHENNAI		UPTO 2000 MM WIDTH
		I		YOKOHAMA	JAPAN		UPTO 2400 MM WIDTH
		I		JONSON RUBBER INDUSTRIES	NEW DELHI		
		I		NRC Industries Limited , amritsar	PUNJAB		
		I		SOMI CONVEYOR BELTINGS LIMITED	JODHPUR		
		I		EUREKA COVEYOR BELTINGS PVT LTD.,	KOTA		
		I		FLEXER RUBBER PVT LTD	KOLKATA		
3	HELICAL GEARBOX	I		SHANTI GEARS	COIMBATORE		Upto size 560
		I	RQP	ELECON	V V NAGAR		
		I		SIEMENS (FLENDER)	KHARAGPUR		
		I		PREMIUM TRANSMISSION	PUNE/FALTA		Up to size 710 / 400
		I		SIEMENS (FLENDER)	GERMANY		
		I		SEW EURODRIVE GMBH & CO	GERMANY		
		I	RQP	NEW ALLENBURY WORKS	KOLKATA		
		I		R&D MULTIPLES (METAL CAST) PVT. LTD.	MUMBAI		
		I		ESSENTIAL POWER TRANSMISSION PVT.LTD	MUMBAI		
4	PLANETARY GEARBOX	I	RQP	ELECON	VV NAGAR		
		I		SIEMENS (FLENDER)	GERMANY		
		I		MOVENTAS	GERMANY		
		I		PREMIUM TRANSMISSION LTD.	PUNE/FALTA		
		I		BREVINI	ITALY		
		I		SEW EURODRIVE GMBH & CO	GERMANY		
		I		R&D MULTIPLES (METAL CAST) PVT. LTD.	MUMBAI		
		I		ESSENTIAL POWER TRANSMISSION PVT.LTD	MUMBAI		
5	FLUID COUPLING (Traction Type)	I	RQP	PREMIUM TRANSMISSION	AURANGABAD		
		I	RQP	ELECON	V V NAGAR		
		I		FLUIDOMAT	INDORE		
		I		VOITH (INDIA)	HYDERABAD		
		I		VOITH	GERMANY		
6	FLUID COUPLING (Scoop Type)	I	RQP	FLUIDOMAT	INDORE		UPTO SC-1330
		I		VOITH	GERMANY		
		I	RQP	PREMIUM TRANSMISSION	AURANGABAD		UPTO PST 1150
		I		ELECON	V V NAGAR		UPTO MODEL ESC 760
		I		VOITH (INDIA)	HYDERABAD		UPTO SVNL 1330

MECHANICAL DWG STATUS AS PER LATEST NTPC MDL

ANNEXURE-02

SL.NO	NTPC DWG NO	DESCRIPTION	DATES AS PER MDL	ASSUMED ORDERING DATE	Timeline for Submission in days from LOI date
1	6130-109-LGH-PVM-B-001	TYP CROSS SECTION OF CONV. GALLERY	24.02.2018	15-May-18	10
2	6130-109-LGH-PVM-B-002	GA OF BRU/ Surface feeder	06.04.2018	15-May-18	15
3	6130-109-LGH-PVM-B-003	GA OF Truck Tippler	06.04.2018	15-May-18	15
4	6130-109-LGH-PVM-B-004	GA OF RACK & PINION GATE	04.03.2018	15-May-18	7
5	6130-109-LGH-PVM-B-005	GA OF FLAP GATE	24.02.2018	15-May-18	7
6	6130-109-LGH-PVM-B-006	GA OF TAPPING POINT (ANNEX TP FOR INTERCONNECTION)- LTP-1	07.03.2018	15-May-18	7
8	6130-109-LGH-PVM-B-008	GA OF EXISTING CONVEYOR (FOR TAPPING POINT FROM RAIL UNLOADING)	28.02.2018	15-May-18	7
9	6130-109-LGH-PVM-B-009	GA OF LIMESTONE CONVEYOR LC1A/B	15.03.2018	15-May-18	7
10	6130-109-LGH-PVM-B-010	GA OF LIMESTONE CONVEYOR LC2A/B	17.03.2018	15-May-18	7
11	6130-109-LGH-PVM-B-011	GA OF LIMESTONE CONVEYOR LC3A/B	19.03.2018	15-May-18	7
13	6130-109-LGH-PVM-B-013	GA OF LIMESTONE BUCKET ELEVATOR BE-1 A/B	15.04.2018	15-May-18	15
14	6130-109-LGH-PVM-B-014	GA OF GYPSUM CONVEYOR GC1A/B	05.03.2018	15-May-18	7
15	6130-109-LGH-PVM-B-015	GA OF LIME STONE CRUSHER HOUSE	10.03.2018	15-May-18	7
16	6130-109-LGH-PVM-B-016	GA OF LIME STONE BELT FEEDERS	15.04.2018	15-May-18	10
17	6130-109-LGH-PVM-B-017	G.A. OF TYP. CHUTE & SKIRT	15.03.2018	15-May-18	7
18	6130-109-LGH-PVM-B-018	G.A. OF LIME STONE CRUSHER	07.04.2018	15-May-18	10
19	6130-109-LGH-PVM-B-019	G.A. OF VIBRATING GRIZZLY FEEDER	07.04.2018	15-May-18	15
20	6130-109-LGH-PVM-B-020	GA OF TRAVELLING TRIPPER & BUNKER SEALING ARRANGMENT	15.04.2018	15-May-18	15
21	6130-109-LGH-PVM-B-021	GA OF IDLERS & SCHEDULE	15.04.2018	15-May-18	7
22	6130-109-LGH-PVM-B-022	GA OF SUMP PUMP & DATA SHEET	28.04.2018	15-May-18	20
23	6130-109-LGH-PVM-B-023	G.A OF SAMPLING SYSTEM EQPT INSIDE LIMESTONE CRUSHER HOUSE	01.05.2018	15-May-18	15
24	6130-109-LGH-PVM-B-024	G.A OF BRAKES FOR CONVEYORS	28.04.2018	15-May-18	15
25	6130-109-LGH-PVM-B-025	G.A OF ELECTRIC HOIST	28.04.2018	15-May-18	20
26	6130-109-LGH-PVM-B-026	G.A OF MANUAL HOIST/ CHAIN PULLEY BLOCK	15.04.2018	15-May-18	20
27	6130-109-LGH-PVM-B-027	G.A OF GEARBOX FOR CONVEYORS	15.04.2018	15-May-18	15
28	6130-109-LGH-PVM-B-028	G.A OF FLUID COUPLING WITH PERFORMANCE CURVE FOR	15.04.2018	15-May-18	15
29	6130-109-LGH-PVM-B-029	G.A & DATA SHEET OF ELEVATOR FOR LIMESTONE CRUSHER HOUSE	02.05.2018	15-May-18	15
30	6130-109-LGH-PVM-B-030	GA DRG. OF DUPLEX STRAINER FOR WATER SYSTEM	02.05.2018	15-May-18	15
31	6130-109-LGH-PVM-B-031	GA OF VALVES FOR WATER SYSTEM	02.05.2018	15-May-18	15
32	6130-109-LGH-PVM-B-032	GA DRG./ DATASHEET/ CURVE OF WATER PUMPS	15.05.2018	15-May-18	20
33	6130-109-LGH-PVM-B-033	GA DRG. OF CENTRIFUGAL FAN WITH CH CURVE	30.04.2018	15-May-18	20
34	6130-109-LGH-PVM-B-034	GA, OF ILMS ALONG WITH CONTROL PANEL	15.05.2018	15-May-18	20
35	6130-109-LGH-PVM-B-035	GA OF SM ALONG WITH CONTROL PANEL	15.05.2018	15-May-18	20
36	6130-109-LGH-PVM-B-036	GA DRG. OF METAL DETECTOR ALONG WITH CONTROL PANEL	15.05.2018	15-May-18	20
37	6130-109-LGH-PVM-B-037	GA AND DATA SHEET OF BELT WEIGHER ALONG WITH CONTROL	15.05.2018	15-May-18	15
38	6130-109-LGH-PVM-B-038	GA OF SCRAPPERS- INTERNAL & EXTERNAL	15.04.2018	15-May-18	10
39	6130-109-LGH-PVM-B-039	G.A OF FLUID COUPLING WITH PERFORMANCE CURVE FOR CRUSHER	23.04.2018	15-May-18	15
40	6130-109-LGH-PVM-B-040	CONVEYORS PROFILE DRAWING	19.02.2018	15-May-18	7
41	6130-109-LGH-PVM-B-041	GA and data sheet of centrifugal fan FOR Ventilation system & DE	20.04.2018	15-May-18	20
42	6130-109-LGH-PVM-B-042	GA of Ventilation Filter	20.04.2018	15-May-18	20
43	6130-109-LGH-PVM-B-043	GA and data sheet of EHT Rail Clamp for Travelling Tripper	05.05.2018	15-May-18	20
44	6130-109-LGH-PVM-B-044	GA and data sheet of Brake for Travelling Tripper	05.05.2018	15-May-18	25
45	6130-109-LGH-PVM-B-045	G.A. OF CRUSHED LIMESTONE STORAGE SILO/ Bunker	27.02.2018	15-May-18	7
46	6130-109-LGH-PVM-B-046	GA OF VENT FILTER FOR LIMESTONE SILO	20.04.2018	15-May-18	20
47	6130-109-LGH-PVM-B-047	GA of Gypsum Storage Shed,	25.03.2018	15-May-18	7
48	6130-109-LGH-PVM-F-001	LAYOUT OF SAMPLING SYSTEM AT LIMESTONE CRUSHER HOUSE	01.05.2018	15-May-18	20
49	6130-109-LGH-PVM-F-002	LAYOUT OF DUCTING FOR DE SYSTEM INSIDE LIMESTONE CRUSHER	02.05.2018	15-May-18	15
50	6130-109-LGH-PVM-F-003	PLOT PLAN OF LIME STONE & GYPSUM HANDLING PLANT	16.02.2018	15-May-18	7
51	6130-109-LGH-PVM-F-004	PIPING LAYOUT FOR PW/ FW/ CW/ SW in TP (TYPICAL)	05.05.2018	15-May-18	20
52	6130-109-LGH-PVM-F-005	DUCT LAYOUT FOR DE AT GYPSUM STORAGE YARD	15.05.2018	15-May-18	10
53	6130-109-LGH-PVM-F-006	LAYOUT OF VENTILATION SYSTEM FOR TRIPPER FLOOR AREA	15.04.2018	15-May-18	15
54	6130-109-LGH-PVM-F-007	FLOW DIAGRAM OF LIMESTONE AND GYPSUM HANDLING PLANT	16.02.2018	15-May-18	7
55	6130-109-LGH-PVM-F-008	DUCT LAYOUT FOR DUST EXTRATION SYSTEM FOR LIME STONE	21.05.2018	15-May-18	20
56	6130-109-LGH-PVM-H-001	LIME STONE AND GYPSUM CONVEYOR IDLER SCHEDULE	15.04.2018	15-May-18	7
57	6130-109-LGH-PVM-H-002	PULLEY SCHEDULE AND GA	15.04.2018	15-May-18	7
58	6130-109-LGH-PVM-H-003	PAINTING SCHEDULE	10.05.2018	15-May-18	7
59	6130-109-LGH-PVM-U-001	Travelling Tripper driving size calculations	15.04.2018	15-May-18	7
60	6130-109-LGH-PVM-U-002	DBR & SCHEMATIC DIAGRAM FOR WATER SYSTEM (PW/ CW/ SW	15.03.2018	15-May-18	7

MECHANICAL DWG STATUS AS PER LATEST NTPC MDL

ANNEXURE-02

SL.NO	NTPC DWG NO	DESCRIPTION	DATES AS PER MDL	ASSUMED ORDERING DATE	Timeline for Submission in days from LOI date
61	6130-109-LGH-PVM-U-003	DESIGN BASIS and P&ID DIAGRAM FOR DUST EXTRACTION SYSTEM	23.03.2018	15-May-18	7
62	6130-109-LGH-PVM-U-004	DBR & SCHEMATIC AND P&I DIAGRAM FOR VENTILATION SYSTEM	15.04.2018	15-May-18	7
63	6130-109-LGH-PVM-U-005	POWER ,TENSION AND BELT RATING CALCULATION FOR CONVEYOR	07.03.2018	15-May-18	7
64	6130-109-LGH-PVM-U-006	COASTING TIME CALCULATION	21.03.2018	15-May-18	7
65	6130-109-LGH-PVM-U-007	SHAFT DIA./ BRG. SELECTION & SHELL & DIAPHRAGM THICKNESS	07.03.2018	15-May-18	7
66	6130-109-LGH-PVM-U-008	THRUST & ACTUATOR SELECTION FOR FLAP GATE	24.02.2018	15-May-18	7
67	6130-109-LGH-PVM-U-009	VOLUMETRIC CAPACITY CALCULATION OF LIME STONE STORAGE	24.02.2018	15-May-18	7
68	6130-109-LGH-PVM-U-010	BUCKET ELEVATOR POWER CALCULATION	15.05.2018	15-May-18	7
69	6130-109-LGH-PVM-U-011	Design Basis Report De-Dusting System FOR CONVEYORS AND	15.04.2018	15-May-18	7
70	6130-109-LGH-PVM-U-012	Drive Equipment Selection	22.03.2018	15-May-18	7
71	6130-109-LGH-PVM-W-001	CIVIL REQUIREMENT OF TRUCK UNLOADING (BRU/SURFACE FEEDER)	15.03.2018	15-May-18	15
72	6130-109-LGH-PVM-W-002	CONTROL WRITE UP / FUNCTIONAL PHILOSOPHY OF CONTROL WRITE UP / FUNCTIONAL PHILOSOPHY OF LIME HANDLING PLANT - PART-A - CONVEYOR SYSTEM	15.03.2018	15-May-18	20
73	6130-109-LGH-PVM-W-003	CONTROL WRITE UP / FUNCTIONAL PHILOSOPHY OF LIME HANDLING PLANT - PART-B - AUXILIARY SYSTEM	15.03.2018	15-May-18	20
74	6130-109-LGH-PVM-W-004	CONTROL WRITE UP / FUNCTIONAL PHILOSOPHY OF GYPSUM HANDLING PLANT	15.03.2018	15-May-18	20
75	6130-109-LGH-PVM-X-001	PG TEST PROCEDURE	25.05.2018	15-May-18	30
76	6130-109-LGH-PVM-X-002	O& M MANUAL	25.05.2018	15-May-18	30
77	6130-109-LGH-PVM-Y-001	BELT DATA SHEET WITH SCHEDULE	20.04.2018	15-May-18	30
					0
78	6130-109-QVM-G-011	FQP for Mech Erection - Limestone / Gypsum Handling Area		15-May-18	15
79	6130-109-QVM-G-012	FQP for Receipt and Storage - Limestone / Gypsum Handling Area		15-May-18	15
80	6130-109-QVM-G-013	FQP for Civil Erection		15-May-18	15
81	6130-109-QVM-Q-061	MQP of Crusher		15-May-18	15
82	6130-109-QVM-Q-062	MQP of Vibrating Screen feeder		15-May-18	15
83	6130-109-QVM-Q-063	MQP of Belt		15-May-18	15
84	6130-109-QVM-Q-064	MQP of Helical Gearbox		15-May-18	15
85	6130-109-QVM-Q-065	MQP of Fluid coupling(Traction type)		15-May-18	15
86	6130-109-QVM-Q-066	MQP of Fluid coupling(Scoop type)		15-May-18	15
87	6130-109-QVM-Q-067	MQP of Fire Pump		15-May-18	15

Document Submission List for Pro-Rata Advance Payment

NTPC DADRI FGD LHS & GHS PACKAGE

APPENDIX-A

Sl.No		Name of the Document	Percentage
LHS & GHS (MECHANICAL)			
1	6130-109-LGH-PVM-B-002	GA & LOAD DATA OF BRU/ Surface feeder	5%
2	6130-109-LGH-PVM-B-003	GA OF Truck Tippler	5%
3	6130-109-LGH-PVM-B-018	G.A. OF LIME STONE CRUSHER	5%
4	6130-109-LGH-PVM-B-019	G.A. OF VIBRATING GRIZZLY FEEDER	5%
5	6130-109-LGH-PVM-B-006	GA & LOAD DATA OF TAPPING POINT (ANNEX TP FOR INTER CONNECTION)- LTP-1	5%
6	6130-109-LGH-PVM-B-009	GA & LOAD DATA OF LIMESTONE CONVEYOR LC1A/B	5%
7	6130-109-LGH-PVM-B-010	GA & LOAD DATA OF LIMESTONE CONVEYOR LC2A/B	5%
8	6130-109-LGH-PVM-B-011	GA & LOAD DATA OF LIMESTONE CONVEYOR LC3A/B	5%
9	6130-109-LGH-PVM-B-013	GA & LOAD DATA OF LIMESTONE BUCKET ELEVATOR BE-1 A/B	5%
10	6130-109-LGH-PVM-B-015	GA & LOAD DATA OF LIME STONE CRUSHER HOUSE	5%
11	6130-109-LGH-PVM-B-020	GA OF TRAVELLING TRIPPER & BUNKER SEALING ARRANGMENT	5%
12	6130-109-LGH-PVM-B-014	GA OF GYPSUM CONVEYOR GC1A/B	5%
13	6130-109-LGH-PVM-W-001	CIVIL REQUIREMENT OF TRUCK UNLOADING (BRU/SURFACE FEEDER)	5%
LHS & GHS (ELECTRICAL)			
1	6130-109-LGH-PVE-H-001	LT & HT load List - LHP/GHP	5%
2	6130-109-LGH-PVE-H-002	LT Power Cable Schedule	5%
3	6130-109-LGH-PVE-H-003	HT Power Cable Schedule	5%
4	6130-109-LGH-PVE-H-004	Control/Screen Cable Schedule	5%
5	6130-109-LGH-PVE-H-005	DCS IO list for LHP GHP	5%
6	6130-109-LGH-PVE-H-006	Design memorandum- Illumination, Earthing etc	5%
7	6130-109-LGH-PVE-H-007	BOM of Local panels, Cable trays, earthing materials etc	5%

APPENDIX-B

Sl.No		Name of the Document	Percentage
List of Brought Out items for which the PO to be placed and submitted along with vendor acceptance letter.			
1		Plough diverters	8%
2		BRU/ Surface feeder	12%
3		LIMESTONE BUCKET ELEVATORS	10%
4		LIME STONE CRUSHER	15%
5		Vibrating grizzly feeders	10%
6		TRAVELLING TRIPPER & BUNKER SEALING ARRANGMENT	10%
7		TRUCK TIPPLER 40T	13%
8		Limestone sampling unit	6%
9		WEIGH BRIDGE	8%
10		PASSENGER ELEVATOR	8%

