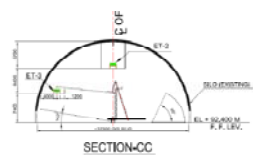


REPLIES TO PRE BID QUERIES LOT-2 DATED -10.09.21

NIT NO : PNMM/PC-183/E-4010/NCB

SUB : UREA(NEEM OIL COATED) HANDLING & BAGGING PACKAGE

S.NO.	SECTION NO.	PAGE NO.	CLAUSE NO.	SUBJECT	PRE BID CLARIFICATIONS	PDIL REPLY
1	Section-V	Sheet 50 of 53	Clause no:20	Completion period for the entire package shall be 20 months from the date of FOA/DLOA	Considering the job involvement, delivery of various critical equipments and present scenario due to COVID-19, 20 months project completion is not feasible. We propose for a completion period of 26 Months.	Not acceptable. Shall be as per NIT.
2	PC183/ E-4010/SEC VII/ 3.1.1	Page- 7 of 40	Clause-5.0	Exclusion Civil works of "Urea (neem oil coated) Handling & Bagging Package" as mentioned below shall not be under contractor's scope	Refer to the clause we understood that entire civil work for this package excluded from bidder's scope. But regarding structural scope related to conveyor gallery with trestle, any maintenance platform for the equipment, supporting structure for DE system, Pipe supporting structure (for the utility system within battery limit) etc, bidder's scope is not clear. Kindly clarify bidder's scope related to structural steel work.	Please refer to NIT, Civil work for this package is excluded from bidder's scope. Conveyor gallery/gantry with trestle is not under LSTK contractor's scope. However, all technological structure of equipments, any maintenance platform with handrail required for equipments, supporting structure for DE system, V-GTU guide pipes, Pipe supports (excluding pipe rack) for the utility system within battery limit etc shall be under LSTK contractor's scope.
3	Drawing no-PC183-1312-0001	Page no-1570 of 1571			Kindly clarify bidder's scope related to the platform for 7 series conveyor at bagging station as shown in VIEW-A-A	As per NIT, Maintenance platform for conveyors ET-7 series are Under LSTK contractor's scope.
4	Drawing no-PC183-1312-0001	Page no-1570 of 1571			Kindly clarify bidder's scope related to the platform for 8 series conveyor at bagging station as shown in VIEW-A-A (in blue colour)	As per NIT, platform for conveyors ET-8 series are not under LSTK contractor's scope.
5					Please confirm whether we have to consider all electrical equipment's under hazardous Zone, Except equipment's are installed in MCC Room and Bagging Control room.	Urea Handling & bagging package is under nonhazardous area unless otherwise specifically mentioned in respective sections of NIT. Irrespective of area classification, all Instrument shall be Zone-2 GrIIC T6 Exib protection.
6					Work of 11KV HT SWBD for taping of feeder at your OUSS	As per NIT. Please refer clause 5.1.1 of Design Philosophy – Electrical.
7					Location of OUSS and the tentative distance between OUSS Substation, MCC Room, Bagging Plant control Room	Refer Plot Plan (Page 1566 of 1571)
8					Approx. distance between client DCS/PLC room to MCC & Bagging Control room	Refer area plot plan attached with the Tender.
9					Any cable bridge requires for Incoming Cables? Or routed through Existing route and Tray, please confirm.	Refer Plot Plan (Page 1566 of 1571)
10					Existing PLC communication protocol	Modbus TCP/IP & OFC
11					All cables will be routed through cable Bridge or conveyor gallery, please confirm. Kindly confirm bidder's scope related to Cable bridge.	Cables from OUSS to Bagging Substation and MCC Room shall be on overhead cable trays. Conveyor Gantry may be used for equipment cabling on Cable Trays. Cable rack is not under bidder's scope, however, cable tray with required support shall be under bidders scope.
12					PLC & LMS require at MCC Room OR both are required or Only PLC ?	PLC shall be required in Control room.
13					Any Cathodic Protection are under vendor scope?	Please clarify, which part of Urea Handling & Bagging package requires Cathodic Protection.
14	SECTION-II BID EVALUATION CRITERIA & EVALUATION METHODOLOGY	Sheet 14 of 1571	Clause no 1.2 (ii)	In case, bidder does not have experience of similar work as mentioned at 1.2 above, bidder has to submit MOU/MOU's (maximum 3 Nos.) with Scraper Reclaimersuppliers/vendors who has experience of having executed "Similar work" as described under1.2 above. The MOU/MOUs should inter alia include a clause whereby the Supplier/Vendor undertake to execute the Scraper Reclaimer system of TFL project in case the said bidder emerges assuccessful bidder. Bidder should also give an undertaking that in case they emerge assuccessful bidder, they will execute the Scraper Reclaimer system only through theSupplier/vendor as per submitted MOU/MOU's.	The 'Salt Scrapper' as asked in the NIT specification is a very special type of equipment. In India only one manufacturer is there. We have approached to them, but not received any response from them. As such condition we are exploring globally for the special type of equipment. At bidding stage it is very difficult to submit PQ documents fulfilling NIT conditions like submission of MOU. But slight modification/addition in PQ condition as mentioned below could meet the NIT requirement. Proposal Option-1:The EPC bidder could Manufacture & Supplythe "Salt Scrapper" themselves based on Basic design from a design agency who has got the experience for design and engineering of similar type of salt Scrapper of 50 TPH reclaiming capacity. As per this proposal we could add value towards "Involvement of Local content" under "Make In India Policy". Proposal Option-2: Bidder should procure the "Salt Scrapper" from the approved vendor specified by the Client. (request PDIL to specify the vendor list as the same not mentioned in the TS). In that case bidders need not to submit any MOU. Proposal Option-3: In case no specific make list not available with the specification, bidder may source out the equipment from a manufacture who is meeting the experience criteria. Supporting documents like performance certificate/ approved drawing/order copy (any of the above) to be submitted by the bidder towards proveness of PQ criteria. Bidder need not to submit any MOU.	Not acceptable. Shall be as per NIT.
15	PC183/ E-4010/SEC VII/ 3.1.1	23 OF 40	10.2.1- (a)	Storing Capacity of the Silo	Refer to the clause we understood the capacity of the storage silo is not specified. To meet the system requirement proven design slat scrapper will be provided at silo area. Also the maximum height of stock-pile can be achieved by this arrangement will be decided during details engineering stage. Accordingly whatever storage capacity could be achieved, the same will be considered as maximum storage capacity of silo. Please confirm.	Silo storage capacity shall be maximized with suitable salt scraper type scraper reclaimer, capacity of silo to be considered as approx. 30,000 MT.

16	PC183/ E-4010/SEC VI/ 3.1.1	24 OF 40	10.2.1- (a)	Height of stock-pile should be limited to 13mtr	If we consider the maximum stock-pile height of 13mtr height and 23 degree angle of repose the height of stock pile at either end is coming 4.5 mtr and 6.7 mtr. There is no separate retaining wall shown in the drawing. Please confirm whether the silo wall will acts as retaining wall? Please share us the cross-section of stock-pile area. Please confirm whether the tripper discharge will be one way or else two way . In case of one-way discharge please indicate the direction of material discharge.	Overall dimensions of existing silo including major aspects are indicated in NIT, which has to follow. Equipments inside the silo shall be designed to fit into the existing refurbished silo. There is no restriction regarding retaining wall. This aspect shall be finalized during detail engineering. LSTK contractor to design/envisage whether retaining wall is required or not to achieve maximum storage capacity. There is no restriction regarding tripper discharge (one way or two way), LSTK contractor to design the system to fit into the existing refurbished silo to suit the requirement & to achieve maximum storage capacity of silo.
17					Refer to the cross section drawing of Silo, indicative arrangement drawing of "Salt Scrapper" shown. From this drawing we are unable to understand the arrangement of "Salt Scrapper". Please share us the further detail showing center line of rail for movement of Salt Scrapper, length of scrapper conveyor and length of boom conveyor. All those details are required for proper selection of the equipment.	Cross section drawing of Silo attached in NIT is indicative only for tender purpose, LSTK contractor to design the salt scrapper system to fit into the existing refurbished silo to suit the requirement & to achieve maximum storage capacity of silo.
18	PC183/ E-4010/SEC VI/ 3.1.1	24 OF 40	10.2.1- (a)	The stacking of the urea in the bulk store shall be carried out in such a way that the creation of dust and degradation of the material is minimized	To reduce the dust particle we can propose telescopic chute arrangement below each tripper discharge chute. But looking into the box type construction of tripper movement area, it is not possible for through-out movement of Telescopic chute arrangement along the length of travel since cross members are there at each hanging support point. Kindly Advice.	Cross members & longitudinal members are there as support to the tripper conveyor. LSTK contractor to design in such a manner to suit the system.
19	PC183/ E-4010/SEC VI/ 3.1.1		Clause No-8, SI No-xiv)	Wet type Dust extraction system shall be provided....	a). Type of Wet/dry type DE system to be provided at various locations mentioned in the referred clause except at Silo Area. Inside the silo there are various equipments like travelling tripper, Salt Scrapper and reclaim conveyor ET-3. Shall we have to consider dry type DE system/machine mounted DE system at all those material discharge/receiving points? Please clarify. b). During stacking/reclaiming of Urea there is a possibility of dust generation inside the covered silo. Shall we have to consider suitable ventilation system for the silo? Please confirm. Please note that it is not possible to provide any type of dust extraction system for the entire silo area.	a) Area to be considered for Dust Extraction system has been mentioned in NIT, there is no Dust Extraction system envisaged inside Silo. b) As per NIT, no ventilation system has been envisaged for silo, but proper working condition to be ensured in cabin for operator/personnel of scraper reclaimer.
20	PC183/ E-4010/SEC VI/ 3.1.1	SHEET 31 of 40	10.4.2, SI No-(g)	Bagging Machine:- The operation of the weighing-cum-tipping machine shall be semi-automatic, only manual operation shall be placement/clamping of empty bag to bag holder.	As per the specification we have considered semi-automatic bagging machine only.	As per NIT.
21	PC183/ E-4010/SEC VI/ 3.1.1	SHEET 31 of 40	Clause no - 10.4.3	Stitching Machine:- Bag stitching machines shall be heavy duty industrial double headed & double stitching type	Please confirm whether the bags will be fed to stitching machine manually or else guide bars will be provided for feeding the bags into stitching machine	As per NIT.
22	PC183/ E-4010/SEC VI/ 3.1.1	SHEET 33 of 40	Clause no- 10.4.4, SI No-(p)	Bag counter with display shall be provided for wagon & truck loader	Apart from wagon & truck loader machine, shall we have to consider any bag counter at bagging area for counting the number of bags filled by the machine? If so kindly indicate the quantity to be considered.	As per NIT, Bag counter is required for wagon & truck loader.
23				Level sensor at 60T storage hopper	Shall we have to consider any level sensor for 60T hopper? Kindly confirm.	As per NIT, level indicator to be considered.
24	PC183-DD-1300-ET-3 & 4	Sheet 387 of 1571		Belt Width-1000mm Pulley face width-1400mm	For all trough belt conveyor handling prilled urea, belt width considered 1200mm. Kindly confirm whether the belt width of ET-3 and 4 shall be 1000mm or 1200mm.	Belt width to be considered as per NIT, Pulley face width to be considered as per standard.
25	PC183/E-4010/SecVI-3.3	Page 22 of 127	Clause no. 4.1	4.1 DC 110V \pm 5%, 2 W - Battery Charger	\pm 10% variation is standard for battery charger	As per NIT
26	PC183/E-4010/SecVI-3.3	Sheet 59 of 127	Clause-9.19.1	Electrical Control & Monitoring System (ECMS) Minimum Inputs and Outputs to be considered for ECMS for proper operation/control, effective monitoring and load management shall be inclusive of but not limited to the following	Kindly clarify the detail scope of signal, LMS	As per NIT. Please refer clause 1.12 of Design Philosophy – Electrical.
27					All LT/HT motors are directly connected with either LMS or PLC/DCS or both	Both.
28	PC183/E-4010/SecVI-3.3	Sheet 55 of 127	Clause-9.14	Local Control Stations	We under stood LCS for each drive to be considered with START/STOP PB then as per clause no. 9.18 EPB is not required for same purpose at same location. Kindly clarify	LCS shall be provided for each drive, as per NIT.
29					Report Generation (shift, daily, weekly, monthly and on demand), kindly clarify the process	The process shall be related to more of urea bagging qty , urea production detail etc. The same shall be further discussed during detail engineering.
30	PC183/E-4010/SEC VI/3.4	Sheet 4 of 101	Clause No-1.0	1 no. ES cum OS LED monitors with Dual personality station at Weigh Bridge Operator room	This ES cum OS LED monitors to be provided by Weigh Bridge manufacturer as per OEM standard. This specification to be maintained as per OEM standard of Weigh Bridge. Please confirm and deleted from PLC package	NIT requirement to be followed.
31					Dual personality station only for PLC/DCS Package, not for other package	NIT requirement to be followed.

32					All electrical and instruments panels are LM6 OR CRCA, Pease clarify	As per NIT, all Instrument panels shall be CRCA
33					Pl. clarify if the tripper conveyor will be erected on existing platform of Silo or new platform to be constructed inside existing silo.	Preference shall be there to use existing platform/gallery with refurbishment for tripper conveyor, however Tripper conveyor will be erected on existing platform of silo or on new platform that shall be finalized during detail engineering and in any case platform/gallery for tripper conveyor is not under Contractor's scope.
34					Pl. furnish mechanical / civil GA drawing of existing Silo.	Scheme of existing silo is attached with tender.
35					As per Doc no. PC183/ E-4010/SEC VI/ 3.1.1, page: 7 of 40, cl. No 5. (Exclusion), all Conveyor gantry & transfer tower buildings will be excluded from scope. However, many other places of technical specification Conveyor gallery and related foundation are included in scope of work. Pl. clarify	Please refer to NIT, Civil work for this package is excluded from bidder's scope. Conveyor gallery/gantry with trestle, Transfer tower buildings are not under LSTK contractor's scope. However, all technological structure of equipments, any maintenance platform with handrail required for equipments, supporting structure for DE system, V-GTU guide pipes, Pipe supports (excluding pipe rack) for the utility system within battery limit etc shall be under LSTK contractor's scope.
36					Minimum Flow path as mentioned in NIT to calculate Power Guarantee is not clear. Kindly clarify which of the equipment are to be considered to calculate power guarantee.	Mentioned in NIT.
37					Also confirm that the Bidder has to submit all the drawings and documents as listed in page no 1492 of 1571.	Under Review