

CORRIGENDUM No. 6
PRE-BID QUERIES REPLY FOR NEW 1650 MTPD NPK PLANT AT FACT -CD,
AMBALAMEDU ON LSTK BASIS.

A. PROCESS

1. Document No.32647-11-PS-001-DP_R2, Page 6 of 7, Clause 5.0 (e), Project Description shall read as,

e. Other required materials like urea, filler, RLNG, defoamer etc. shall be made available from indigenous sources.

2. Document No.32647-11-PS-001-DP_R2, Page 7 of 7, Plot Plan, Project Description, the above drawing stands deleted.

3. Document No.32647-11-PS-001-DB_R2, Page 9 of 29, Clause 3.1, Design Basis and Document No.32647-11-PS-001-DB_R2, Page 12 of 29, Clause 5.6, the raw water pressure is modified as 6 kg/Cm²g

4. Document No.32647-11-PS-001-DB_R2, Page 11 of 29, Clause 4.5, Design Basis the clause sentence shall read as,

Crushing Strength of NPK Granules: Minimum 1.50 kg/granule (to be guaranteed)

5. Document No.32647-11-PS-001-DB_R2, Page 16 of 29, para 1 of Clause 7.5, Design Basis is modified as,

As the intention of the OWNER, is to run the plant at rated capacity, regularly and on a sustained basis for major part of the year. Performance, works cost and energy guarantees shall be taken at rated capacity as mentioned above. It is imperative, therefore to provide a DESIGN MARGIN of minimum 10% over the rated capacity for MAIN PLANT as well as UTILITY units unless specified otherwise.

6. Document No.32647-11-PS-001-DB_R2, Page 21 of 29, Pt no. b of Clause 8.2.1, Design Basis is modified as,

b. Phosphoric acid day tank – 2 No.s (1 working + 1 stand by) Considering 24 hrs peak demand. Phosphoric Acid Feed pumps shall be common for both Day tanks.

7. Document No.32647-11-PS-001-DB_R2, Page 25 of 29, Pt no. viii of Clause 9.1, Design Basis

viii Granulator : CSRL

The above clause stands deleted.

8. Document No.32647-11-PS-001-SW_R2, Page 13 of 16, Pt no. 3 of Table 1.0, Clause 5.5, Scope of Work

3	Instrument Air Receiver	1	Type: Vertical, Cylindrical Capacity: 20 minutes hold up MOC : CS
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The above clause stands deleted.

B. CIVIL

1. Document No.32647-12-PS-001-DP_R0, Page 3 of 20 Design Philosophy-Civil & Structural Works, Description under the heading GENERAL

- “Power for construction is to be arranged by the LSTK Contractor. Arrangement of construction water is in the LSTK contractor’s scope. Construction water quality shall be approved by owner based on testing report submitted by LSTK contractor”.

The above clause sentence stands deleted.

2. Document No.32647-12-PS-001-DP_R0, Page 7 of 20 Design Philosophy-Civil & Structural Works, Description under the heading BALANCE OF PLANT, point 4.

- “Landscaping in plant area and development of Green Belt all around/inside the Plant as per MOEF requirements.”.

The above clause sentence stands deleted.

3. Document No. No.32647-12-PS-001-DP_R0, Page 3 of 20, Clause No. 1.1.5, Design Philosophy-Civil & Structural Works,

- “Underground obstructions and utilities like old pipelines, cables, concrete, structures, etc. removal as per requirement along with required labour and equipments shall be in the scope of CONTRACTOR. Clearance from owner shall be taken by bidder before such activity.”

The above clause sentence stands deleted.

4. Document No. No.32647-12-PS-001-DB_R0, Page 12 of 35, Clause No. 4.1.5, Design Philosophy-Civil & Structural Works,

f.	Foundation slab/plinth beams base slabs	50 mm
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The above table sentence shall be read as.

f.	Foundation slab/plinth beams base slabs	75 mm
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C. M&PCE

1. Clause no. 2.4 of document 32647-01-PS-001 PH1 (DESIGN PHILOSOPHY - ROTATING) is modified as:
"SCREW COMPRESSOR (IF APPLICABLE)
The Screw Compressor (if any) shall be designed as per API 619 4th edition or above. In addition to the above, the following shall be applicable."
2. Clause no. 2.5 of document 32647-01-PS-001 PH1 (DESIGN PHILOSOPHY - ROTATING) is modified as:
"CENTRIFUGAL PUMPS
The process pumps except slurry pumps shall be designed as per API 610, latest 10th edition or above. Slurry pumps shall be designed as per Manufacturer's standard. All the pumps shall be of robust design to ensure long service life and minimum maintenance requirement. All the pumps shall be designed for easy access for inspection and maintenance. All Continuously running pumps shall have a spare pump.
In addition to codes & standards, following points shall also be applicable:"
3. Requirements of min. design capacity of equipments as per the clauses 4.1.2, 5.2.2, 5.2.10, 5.3.2, 5.4, 5.5.9, 5.6.1 and 5.8.1 of doc. 32647-01-PS-001 PH2 (Design Philosophy Material Handling) stands deleted. Equipment Design margin shall be as per process design basis (Doc. No. 32647-11-PS-001-DB)
4. Clause no.4.1.4 of doc. 32647-01-PS-001 PH2 (Design Philosophy Material Handling) is modified as "Adequate reclaiming of raw material from the raw material storage silo shall be done with the help of reclamation conveyors (hopper/bucket elevator feed type using Pay loader through grizzly bar, Pay loader in client scope). Raw material shall be conveyed through suitable conveyor system with belt weigher to feed to the NPK process house"
5. Clause no.5.1.3 of doc. 32647-01-PS-001 PH2 (Design Philosophy Material Handling) is modified as "Hoppers shall be provided with vibrators, ultrasonic level indicator etc. The angle of bottom portion of hoppers shall be kept as 55° with the horizontal."
6. Clause no.5.5.7 of doc. 32647-01-PS-001 PH2 (Design Philosophy Material Handling) is modified as "MOC of Bucket of Bucket Elevators shall be CS material or higher."
7. Clause no. 5.7 of doc. 32647-01-PS-001 PH2 (Design Philosophy Material Handling) is modified as "LUMP CRUSHERS

"Off- spec oversize material coming from the screens shall be transferred to the lump crushers. Bidder to provide crusher of adequate capacity as per licensors specification."

8. The term "Bulk raw material silo" of clause 6.2.1 of doc. 32647-01-PS-001 PH2 (Design Philosophy Material Handling) shall read as "Bulk product silo"
9. Clause no. 8.2.7 of doc. 32647-01-PS-001 PH2 (Design Philosophy Material Handling) is modified as "Two numbers of dedicated bagging machines, shall cater to individual platforms from platform 1 to platform 6, i.e., 5 platforms with corresponding 5 pair of bagging machines as working and 1 platform with it's pair of bagging machines as stand-by."
10. Clause no. 8.4.3 of doc. 32647-01-PS-001 PH2 (Design Philosophy Material Handling) is modified as "Feeding to bunkers shall be automatic with the help of suitable conveyor system"

D. PIPING

1. Area plot plan, Document No. 32647-03-AP-00001 R0 has been added as annexure-4