

**Pre-bid Query of tender :NALCO/CORP/PnT/CONT/2025/054, dated:03.11.2025**

Sl. No	Clause as per NIT	Clause No & Ref	Query	NALCO's Reply
1	The four leg support design of centre pile reclaimers is preferable.	1.1, PDF Pg no 2 of 528	Both causes are contradictory, so please let us know, which one is to be followed.	As per NIT clause no .1.1 the four leg support design is preferable. However bidder to consider the same as per their design .
	The undercarriage shall be mounted on three point support.	2, PDF Pg no 18 of 528		
2	The existing Reclaimer is dedicated to operate in a bay formed by two stock piles of 293MR & 328 MR lengths respectively with 40MR maintenance space between two stock piles called Neutral zone. The existing reclaimer travel is around 725MR (approx)	2.2 Pg no-12 of 528	Both clauses are contradictory, so please let us know, which stockpile length is to be followed.	The GA drawing may be followed and bidders can check at site for physical measurement if required..
	In the drawing showing the two stockpiles, which have a length of 328 m each, the 40m length neutral zone is shown.	Addendum		
3	The existing reclaimer travel is around 725MR (approx) on standard Indian rail IRS52 with a rail gauge of 8MR.	Cl.2.2 Pg-12 of 528	Both causes are contradictory, so please let us know, which one is to be followed.	In normal operation the reclaimer travel for 690m(approx). However, foundation and rail of BW reclaimer will be replaced as per actual length at site .
	Reclaimer Travel : 690 metres (approx.)	Cl. 2 Pg-53 of 528		
4	Existing yard conveyer will be used .	Cl 2.1.4 pg-4 of 512	The bidder understands that the existing yard conveyor and existing rail of mobile hopper shall be in good physical health condition. Please confirm.	Confirmed
	Since, the proposed reclaimer would be installed and operated in the existing Stock piles (3&4), it is mandatory that the prevailing Slew axis/centre line of the present reclaimer, Boom length,	Cl. 1.3 Pg No 2 of 528		
5	Removal of the existing Reclaimer with its Mobile Hopper along with the dismantling/discarding of the Civil Foundation of reclaimer rails and construction of new Civil Foundation to suit to our intended requirement, erection of new rails as well as new reclaimer maintaining the existing reclaimer slew as well as Stockpile axis as per the mode of execution mentioned elsewhere in this specification.	Cl. 1.7 Pg No 3 of 528	To work-out the dismantling cost, kindly share with us the total dismantling weight of the existing Reclaimer, existing Mobile hopper and the existing rail / rails fixing.	The GA drawing of existing Reclaimer may be referred
6	The chutes shall be fabricated from mild steel plates of minimum 10mm thickness and shall be complete with covering hoods. For discharge chute liners, Mn steel liners of minimum 20mm thickness with fixing arrangement shall be considered.	Cl.6.5.7 Pg no 4 of 528	We would like to propose equivalent material i.e. SAIL HARD/ Jindal HARD / Uttam Hard in place of Mn steel Liners. Kindly advice.	As per NIT
7	Performance guarantee - The rated reclaiming capacity shall be defined as average capacity established over a period of minimum three (3) hours of operation of the reclaimer	Cl. 10.3 Pg no 42 of 528	As per standard practice, Reclaimer manufacturer gives average Capacity established over a period of min. 4 hrs of operation of reclaimer. Please clarify.	As per NIT

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8	12.0 LIST OF SUB VENDORS (MAJOR EQUIPMENT)	Cl. 12 Pg no 44 of 528	Based on our past experience, bidder would like to propose additional makes of Equipment for various items. This is subject to your approval.	Agreed
9	Statutory Approval - The vendor shall be responsible for obtaining necessary approval from statutory authorities e.g. State Electrical Inspector, Central Electricity authorities (CEA) and other concerned authorities	Cl. 1.4.7 Pg no 96 of 528	Bidder would like to exclude the statutory approval since bidder scope is very limited to only reclaimer machine. However bidder will provide all necessary documents of their supplied equipments which requires for statutory approval & approval activity shall be carried out by Purchaser.	As per NIT
10	Scope of work : Obtaining statutory approval from local authorities such as Municipal Corporation, Development authorities, Inspector of Factories and any other concerned authorities before starting the works at site.	Cl. 1 Pg no 420 of 528		
11	Procedure of surface preparation - Proper surface preparation contributes more to the success of the paint protective system: a. Manual or hand tool cleaning b. Mechanical or power tool cleaning. c. Blast Cleaning	Cl. 5.1.1 Pg no 465 of 528	Bidder would like to propose manual or hand tool cleaning. Kindly advice.	As per NIT
12	Recommended spare parts for One (1) year normal operation and maintenance (O&M) of the equipmentThe cost of O&M spares shall not be included by the bidder in their offer as the same will not be considered for Bid evaluation.	Cl. 4.1 Pg no 07 of 528	At this stage bidder has excluded recommended spares, since those will not be considered for the bid evaluation.	As per NIT
13	Mode of Execution: The job has to be executed in such a way that erection of new reclaimer will start in one idle pile, while the other is being in service with the existing reclaimer. It is noteworthy to mention here that since the existing reclaimer is going to be replaced in a continuously operating plant, the successful bidder is required to submit "Time schedule" for mutual consent before staring the job.	Cl. 2.2.5 Pg no 06 of 528	Considering that the work will take place in an operating plant, kindly indicate/provide adequate working space for the sub-assembly work of the new reclaimer adjacent to the new rails.	Agreed
14	1. Each counter weight should preferably not be more than 40kg which shall be placed in a counter weight box. 2. Counter-weight/ballast shall be of concrete	Cl. 6.2.8 Pg no 27 of 528	Counterweight shall be in RCC slabs and the weight of each RCC slab shall be approximately 10 MT.	The weight of counter wights will be as per design of successful bidder.
15	Special consideration: 1. steel structure - Crane gantry girders	Cl. 3.7.1 Pg no 445 of 528	We do not envisage the requirement of a crane gantry girder for this machine.	Based on requirement and as per scope mentioned in NIT

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16	Paint scheme - as per SSPC-SP-2, Temp Range of 10 deg c - 60 deg. C	Cl. 8.1 Table-1 SSPC-SP2 Pg no 484 of 528	The bidder understands that the paint scheme listed in SSPC-SP-2 (paint system for shop and field painting of all uninsulated carbon steel material) shall be applicable, i.e., i) For pre fabrication / pre erection / shop / field primer : Two coat of P1 + ii) Finish paint : Two coat of F1. iii) Total DFT : 120 Micron. Kindly review & confirm.	confirmed
17	The existing Reclaimer is of capacity 1000/1200TPH (Rated /Design TPH) supplied by M/s Mukund macnally welman LTD , ( presently M/s Metso) having Structural steel of around 450MT. The present yard conveyor is having Structural steel of around 50MT and has conveyor belt of 1400mm width and the Horizontal centre to centre length is 750 MTR approximately.	Cl. 1.4 Pg no 02 of 528	To carry out the dismantling work, kindly confirm below points, i) Bidder understand that the given weight of 450 mt which is including existing rails, mobile hopper, counter weight, electricals. ii) Kindly furnish the separate existing weight of the counter weight & electricals for our consideration.	The weight of machine is excluding rail weight. The bidders may refer the GA drawings for the estimation for dismantaling .
18	for the long travel drives and boom slewing drive, AC operated thruster brakes shall be considered.	Cl. 3 Pg no 29 of 528	For system betterment, the bidder has proposed a direct-drive geared motor along with a VVVF drive and a DCEM brake for the travel application. The bidder has many installations with a similar arrangement.  Major advantages 1. Geared motor will be compact & advance design followed globally. 2. Less Maintenance.	Agreed
19	HYDRAULIC PUMPS - There shall be Two Hydraulic pumps i.e. one Operating and other standby	Cl. 6.2.4.2.3 Pg no 21 of 528	We understand that this clause is applicable for Hydraulic boom luffing application only.	For luffing of both hydraulic boom and operator cabin, the mentioned clause is applicable .
20	Suitable state of art Braking mechanism shall be provided for slew, travel drive, Boom conveyor etc. Indigenous disc type shall be preferred.	Cl. 6.2.4.2.3 Pg no 103 of 528	Bidder has provided drum type Electro Hydraulic Thruster brake for slew & boom conveyor application & DCEM brake for travel drive application.	Agreed
21	TRAINING - Four batches (72 Mandays) comprising of Six person per batch shall be trained at OEM's Works.	Cl. 14 of SCC Pg no 19 of 42	Training activity shall be carried out at OEM's site work during erection activity.	TRAINING - Four batches (72 Mandays) comprising of Six person per batch shall be trained at Equipment supplier's Works

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22	All Spares for start-up & all commissioning spares are in CONTRACTOR's scope and deemed to be included in their quoted Lumpsum Prices. Suppliers are required to quote the charges for Mandatory Spares (Ref. Cl. No. 34 of SCC),	Cl. 16.of of SCC Pg no 19 of 42	The bidder understands that the spares list specified in Cl. No. 34 is only applicable for this package.	Mandatory spare shall be included in the bid and commissioning spares shall be supplied separately on free of cost . Cl. No 4.0 of technical specification may be referred for commissioning and recommended spare.  For mandatory spare Cl. No 34 of SCC may Please be referred.Any additional mandatory spares required for the equipment shall be supplied by the bidder over and above the list mentioned .
23	Drawing no. 33030000 / 3, GA of bucket wheel reclaimer with cross conveyor & traveling hopper: Existing Mobile hopper details are absent in this tender drawing.	Cl. 6.1. of SCC Pg no 8 of 528	The bidder will provide the same arrangement at the discharge of the cross conveyor, as indicated in the tender drawing.	Drawing has been uploded in CPP portal ,same may be referred .
24	Drawing no. 33030000 / 3, GA of bucket wheel reclaimer with cross conveyor & traveling hopper : Document listed in this tender drawing as follows, 1. Technical specification Doc No. 3303 800 2. Wheel Load data Drg No: 3303 003		i)These details are not available in the tender document. Kindly furnish the same for our consideration.  ii)Kindly furnish the total connecting load of existing reclaimer / existing drive rating & drive quantity of the following items for our reference. a) Boom conveyor, b) Cross conveyor, c) Boom luffing, d) Slew drive, e)Travel drive of main machine, f) Travel drive of mobile hopper.	As per NIT
25	PDF drawing of G.A. of Existing Reclaimer and foundation (Dwg no. 3303000/3) (Dwg no. 39315216480411 Rev 3). (Dwg no. 39315216480413 Rev 2). (Dwg no. 39315216480414 Rev 1). (Dwg no. 39315216481416 Rev 1). (Dwg no. 39315216481416 Rev 1).		Kindly furnish the same in Auto cad format, for speed-up our work.	The drawings have been uploaded in CPP portal in PDF format.
26	Elevation drawing of Mobile hopper & existing reclaimer along with wheel load data and Yard conveyor elevation.		Kindly furnish the same for our preparation of our proposal drawing. Since these are not envisaged in NIT Document.	The physical measurement of unavailble data may be taken by the bidder from the site.

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27	The battery limit for the vendor starts from supply and laying the Power cable from 6.6KV breaker housed in US-19. The nearest Substation i.e. US-19 is approximately 650MR from the neutral zone. The Power cable is required to be terminated at newly supplied & installed 6.6KV breaker, which is located in the neutral Zone. From the 6.6KV breaker from neutral zone, Power cable of approximately 450MR, 6.6KV Flexible trailing copper cable needs to be laid and through PCRD to feed Power supply to 6.6KV/415V transformer mounted in the reclaimers.	Cl. 6.1. of SCC Pg no 8 of 528	Required Route, Trench, Cable Gallery etc will be arranged by Client . Required cables and trays will be in TKIL scope of supply.	Agreed
28	The Power cable is required to be terminated at newly supplied & installed 6.6KV breaker, which is located in the neutral Zone	Cl. 6.1. of SCC Pg no 8 of 528	Clarify if bidder needs to supply and install the 6.6 kV breaker at the neutral zone .	Installation of Load break switch in neutral zone is in scope of bidder .
29	Vendor list	Cl. 12 of SCC Pg no 84 of 528	Bidder would like to propose additional makes of Equipment for various items. This is subject to your approval.	As per NIT
30	Motorized power and control cable reeling drum with flexible power and control cable. PCRD and CCRD shall be M/s Electro zavod make with up to date design suitable for PLC control.	Cl. 1.4.1 of SCC Pg no 93 of 528	TKIL would like to propose additional makes. This is subject to your approval.	As per NIT
31	Capacitor panel required for power factor correction at 415 V.	Cl. 1.4.1 of SCC Pg no 94 of 528	Due to Space constraint on Machine separate power factor correction Panel is not provided.	As per NIT
32	i.) Clause No. 2.3 of General Condition of Contract stands modified to the following extent: The cost of construction power appearing in the 10th and 11th line as Rs 1/- per kwh shall be read as Rs.2.85 (Rupees two and eighty five paise only) per kwh. The state Electricity Inspector appearing in the second line shall be read as Central Electricity Authority at Chennai.	Cl. 2.3 of SCC Pg no 93	It is understood from said clause that construction power will be provided by M/s Nalco @2.85 rupees per kwh at site office location and machine erection location around vicinity of not more than 100 mtrs. Also in clause 10.1 of SCC it is mentioned that " Provision of Construction Power will be on Free of Cost Basis" Kindly clarify.	Cl. No. 10.1 of SCC will prevail .i.e construction power will be provided on free of cost.

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33	Clause No. 2.4 of General Condition of Contract modified to the following extend: The owner shall provide land to the Contractor for their offices, go-down and workshop	Cl. 2.4 of SCC Pg no 93	It is undustood from said clause that M/s Nalco will provide land for contractor for site office, go-down and workshop free of cost till project completion and handover of machine. Requested to provide land in the vicinity of machine i.e. for ODC consignment, material will be stored near to erection location and land for site office and storage to be provided in the visinity of Max 100 mtrs. Provided land need to be levelled and graded for crane movement, erection and site office and storage of supply materials.	The space will be provided as per the suitable space available .
34	Clause No. 2.5 of General Condition of Contract modified to the following extend: The land for residential accommodation for staff and labour may be made available to Contractor outside plant boundary limit.	Cl. 2.5 of SCC Pg no 93	It is undustood from said clause that M/s Nalco will provide residential accomodation for staff and labour to contractor outside plant boundary limit. Whether accomodation will be free or on chargeable basis, If chargeable basis than, what is the approx charges ? same need to be confirmed by M/s Nalco.	The accomodation will be provided subject to the availablity and charges will be as per the NALCO's rate during allotment .
35	The date of commencement shall be treated from the date of issue of Purchase Order/LOI/BOA and shall be completed within 24 months (Twenty-four months) including Sundays & holidays from the date of issue of Purchase Order/LOI/BOA.	Cl. 3.1 of SCC Pg no 4	It is undustood from said clause that completion period of reclaimr machine along with associated conveyor is 24 months which includes erection and commissioning and excluding trial operation, PG test and AMC. Kindly Clarify.	The completion period includes commissionig and PG test .
36	10. OWNER'S RESPONSIBILITY 10.1 Construction water & power a. Water supply for construction purpose will be provided by the Owner at one mutually agreed point at Site free of cost. Drinking water will also be made available at one central point at Site. The Contractor shall make his own arrangement for any further distribution. Such distribution pipe network shall have the prior approval of the Engineer at Site so as not to interfere with the layout and progress of other construction works. Contractor shall ensure that there is no wastage of water. On completion of the work, the Contractor shall remove all such work and shall reinstate and make good any work disturbed to the satisfaction of the Engineer-In-charge. The Bidder is required to mention Service water requirement in the tender Document at the time of submission. b. Construction Power will also be made available at the nearest point (Within 1000 meters) and the Contractor shall make his own arrangement for any further distribution. Provision of Construction Power will be on Free of Cost Basis. Bidder is required to ensure use of calibrated Energy meter for billing by NALCO. Proper electrical isolation with necessary protection is required for the tapping from the source	Cl. 10.1 of SCC Pg no 14	Said Clause is not in line with clause 2.3 of GCC. Kindly clarify power is chargesable @ 2.85 per kwh or free. Further It is undustood from said clause that construction water is free of cost.	The contrsuction power and water will be provided on free of cost as per cl. No. 10.1 of SCC .

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37	The existing Reclaimer is dedicated to operate in a bay formed by two stock piles of 293MR & 328 MR lengths respectively with 40MR maintenance space between two stock piles called Neutral zone. The existing reclaimer travel is around 725MR (approx)		Client to provide the Foundation drawing of existing reclaimer machine foundation.	The drawings of existing reclaimer has been uploded in CPPP.
38	General		Client to provide the GA drawing for stockpile drainage , retaining wall & stockpile pavement details	drainage system shall be restored .
39	General		Bidder has considered the disposal of RCC debris within 500m lead client to confirm.	As per NIT
40	General		Client to provide the preliminary soil investigation report of proposed construction area.	Not available. However the soil investgation is in the scope of vendor.
41	General		Client to confirm that Construction Power & water shall be provide free of cost basis at one location near to construction area.	Confirmed
42	General		Client to confirm that space for Batching plant installation shall be provided within Plant.	Subject to availability, space will be allotted for batching plant intsalation .
43	General		Client to confirm whether Central or State wages are applicable.	Refer SCC
44	General		Bidder considred that relocation of any existing underground and overground facilities shall be in client scope.	If such type of requirement arises ,the scope of shifting will be considered by bidder.
45	General		Removal of existing stockpile dump if any as required for proposed construction area shall be in client scope.	confirmed.
46	Failure by the Contractor to Comply with the Provisions of the Contract	Cl. 25 of GCC Pg no 26	We propose to add the following-  In the event of such termination, the Contractor shall be entitled to receive all payments for the supplies effected, raw material procured upto the date of receipt of such notice and for the work completed and in progress.	Adhere to the tender conditions

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47	No Compensation for Alteration in or Restriction of Work: At any time from the commencement of the work if the Owner decides for whatsoever reason, not to carry out the whole work or part thereof as specified in the tender, then owner shall give notice in writing of the fact to the contractor, who shall have no claim to any payment or compensation on whatsoever account (profit or advantage which he might have derived by executing the work in full) neither shall he have any claim for compensation by reason of any alterations having been made from the original specifications, drawings, designs and instructions which may involve any curtailment of the work as originally contemplated.	Cl. 27 of GCC Pg no 28	We propose deletion as suggested in the Provision of Document (column at the left)  We propose to add the following-  In such case, the Contractor shall be entitled to receive all payments for the supplies effected, raw material procured up to the date of receipt of such notice and for the work in progress.	Adhere to the tender conditions
48	Suspension of Works: (i)Subject to the provision of sub para (ii) of this clause, the contractor shall if ordered in writing by the Engineer-in-Charge., or his representative, temporarily suspend the works or any part thereof such period and such time as so ordered and shall not, after receiving such written orders, proceeds with the work therein, ordered to be suspended until he shall have received a written order to proceed therewith. The contractor shall not be entitled to claim compensation for any loss or damage sustained by him by reason of temporary suspension of the works aforesaid. An extension of time for completion, corresponding with the delay caused by any such suspension of the works as aforesaid will be granted to the contractor should he apply for the same provided that the suspension was not consequent to any default or failure on the part of the contractor.	Cl. 66 of GCC Pg no 48	We propose deletion as suggested in the Provision of Document (column at the left)  We propose the following-  Either party can suspend the Contract for breach or failure by the other party which could not be remedied during the period agreed between the parties or for any Force Majeure conditions after issuing 30 days' notice.  Contractor shall be entitled for extension of Completion Schedule and price escalation as well as any incidental charges arising thereof for the duration of Suspension by either party.	Adhere to the tender conditions
49	Suspension of Works: In case of suspension of entire work ordered in writing by the Engineer-in Charge, for a period of more than two months, the contractor shall have the option to terminate contract.	Cl. 66 of GCC Pg no 48	We propose to add the following-  In the event of such suspension, the Contractor shall be entitled to receive all payments for the supplies effected, raw material procured up to the date of receipt of such notice and for the work in progress.	Adhere to the tender conditions
50	Price Reduction Schedule for Non-Fulfillment of Performance Guarantee Parameters:	Cl. 20.2 of SCC Pg no 24	Contractor requests to levy LD for non-fulfillment / shortfall in performance parameters agreed between the parties. Hence, we propose the following-  LD for non-fulfillment / shortfall of Performance Guarantees within acceptable limits, shall be levied as indicated above (Refer Clause no.18.11 (i)) subject to a maximum ceiling of 5% (Five Percent) of the total contract price.	Adhere to the tender conditions



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51	Maximum LD-	Cl. 20.3 of SCC Pg no 25	<p>We propose the following-</p> <p>LD should be levied and should be recovered from the payments to be received by the Contractor or by invoking the bank guarantee instead of price reduction in the total contract price. Hence, we propose the clause to read as below:</p> <p>Maximum LD for delay in completion or for shortfall in performance shall be limited to 7.5% of total contract price.</p> <p>We request to delete the penalty on the contract price.</p>	Adhere to the tender conditions
52	<p>LIMITATION OF LIABILITY:</p> <p>“Notwithstanding the above, the maximum liability shall be 100% of contract value and the vendor will not be liable for any indirect or consequential damages/losses”.</p>	Cl. 21 of SCC Pg no 25	<p>We propose the following-</p> <p>“Notwithstanding the above, the maximum liability shall be 50% of contract value and the vendor will not be liable for any indirect or consequential damages/losses”.</p>	Adhere to the tender conditions
53	DEFECT LIABILITY PERIOD & GUARANTEE/ WARRANTEE PERIOD:	Cl. 22 of SCC Pg no 25	We propose to delete this clause as this is in contradiction to Clause 24 (Guarantee – Warranty Period).	<p>Cl.no 22 of SCC shall prevail.</p> <p>CL.No. 24 of SCC to be considered as deleted.</p> <p>The GUARANTEE/ warranty period will be as per clause no 22 of SCC</p> <p>Addendum to Cl.22 of SCC</p> <p>Guarantee /warranty Period wherever mentioned in tender documents shall be read as 12 running months of the system after successful Commissioning/ Completion and handing over of the system to NALCO.For any reason not attributable to the party,if the machine is not in operation ,the warranty period will be 12 months after successful Commissioning/ Completion and handing over of the system to NALCO.</p>

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54	FORCE MAJEURE	Cl. 30 of SCC Pg no 26	<p>We propose to add the following-</p> <p>The affecting party due to Force Majeure events specified above shall notify the other party within 15 days of occurrence of the Force Majeure event. Completion Schedule shall be suitably extended, and the Cost compensation shall be provided to Contractor. If the conditions constituting Force Majeure last for a continuous period of two months or aggregate period of three months, either party shall be entitled to terminate the Contract, and the Contractor shall be paid for the entire work completed as well as work in progress including raw materials procured till the date of such termination.</p>	As per NIT
55	Arbitration	Cl. 06 of SCC Pg no 40	<p>It is observed that the sole arbitrator will be appointed for the disputes above Rs.10 crores and below Rs.10 crores, mediation is proposed and in case failure of mediation, legal recourse of approaching court is proposed. Instead of the proposed arbitration term, Contractor suggests following term to be applicable for all disputes irrespective of value:</p> <p>Any and all dispute shall be referred to Mediation according to the rules of Arbitration and Conciliation Act, 1996. In case the dispute is not settled through mediation, the same shall be referred to arbitration as per the Arbitration and Conciliation Act,1996 by three arbitrators, each party shall appoint one arbitrator, and the two appointed arbitrators shall appoint the third arbitrator who shall act as the Presiding Arbitrator. Venue and seat of arbitration shall be Bhubaneshwar, Odisha and language of arbitration shall be English.</p>	Adhere to the tender conditions
56	Erection & commissioning of Dry Fog/ Dust suppression system along with associated equipment and accessories. Laying & Distribution of pipeline for service water for Dry fog system from the nearest available location comes under Vendor's scope.	Cl. 2.2.7 Pg no 6 of 528	<p>TKIL has requested to client the provision of water tap-off points along the entire machine travel length at intervals of every 30M with flow rate of 5cmh at 5 bar pressure for supplying water to the machin-mounted dust suppression tank.</p> <p>Kindly confirm.</p>	As per NIT

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57	Dry fog type dust suppression system complete with pipe work, nozzles, solenoid valves, manual shut-off valves, pumps, air compressor, all necessary electrics with MCC and instrumentation required for operation of the system through PLC shall be provided to arrest the generated dust during transfer of bauxite at the transfer points. There shall be one combined dust suppression pump house mounted on the reclaimer machine.	Cl. 6.7 of Pg no 36 of 528	TKIL has considered following for reclaimer machine mounted dry fog dust suppression.  1. One vertical cetrifugal pump mounted on reclaimer. 2. One air cooled oil injected reprocatave compressor mounted on reclaimer. 3. One hour water storage tank (PVC) 4. GI heavy duty pipe as per IS: 1239 (P-1) with GI fittings. 5. Gun metal isolation valves as per IS:778 6. Maual hose 50M length with hose reel drum.	The detail engineering is in the scope of successful bidder as per scope mentioned in NIT.
58	Fire detection & alarm system	Cl. 4.14 Pg no 311 of 528	TKIL has considered any Fire detection & alarm system for E-house & operator cabin only.  Kindly confirm that our understanding is in line your requirement.	Confirmed
59	Fire extinguisher system	Cl. 6.1 Pg no 17 of 528	Bidder has considered fire extinguisher for following area only. 1. Operator cabin 2. E- house  Kindly confirm that our understanding is in line your requirement.	confirmed
60	AC system	Cl. 6.1 Pg no 17 of 528	Bidder has considered split air conditioner for following area only. 1. Operator cabin 2. E- house  Kindly confirm that our understanding is in line your requirement.	Confirmed
61	.....the existing Civil Foundation shall be replaced with the new foundation to suit to our intended requirement of 1000/1200TPH	Cl. 1.5 of Scope Pg no 1	We understand as under : 1) Existing civil foundation along with Rail and Fixtures to be replaced by new civil foundation along with new Rail & Fixtures for B.W Reclaimer machine. 2) Existing civil foundation along with Rail and Fixtures to be replaced by new civil foundation along with new Rail & Fixtures for Mobile hopper/Electrical platform. NALCO to confirm.	The rail and foundation of mobile hopper is not in the scope of bidder.
62	Bidders are advised to visit site and collect all the relevant information and refer the drawings issued with the tender documents to arrive at the Minimum Time period required to replace the existing civil foundation.	Cl. 1.5 of Scope Pg no 1	Please note that we have not received some of the tender drgs. which are relevant for thsi project. Hencec we request NALCO to provide following drgs. : 1) Drawing for Existing RCC foundation for travelling of B.W Reclaimer machine. However, drawing for Existing	The data available has been uplodged in the CPP portal ,however if any other data is required by the bidder ,same may be collected from the site by bidder.

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63	The proposed reclaimer shall be complete in all respects with necessary electricals and instrumentation including belt weigher with totaliser on the cross conveyor of the reclaimer and also includes the provision of other accessories like Dry fog dust suppression system, modified discharge chute for 52HCBL-701(Yard conveyer).	Cl. 1.9 of Scope Pg no 3	We are not clear about "modified discharge chute for 52HCBL-701(Yard conveyer)". NALCO to clarify.	The receiveing chute of yard conveyer /discharge chute of cross conveyer is in the scope of bidder.
64	2.2.2 T he design of new foundation as well as all the foundations, structures and allied load bearing design impacting the performance of the equipment are to be rightfully verified and ratified by a qualified structural engineer from Indian Institute of Technology (IIT) .	2.0 B IDDER'S SCOPE OF SUPPLY AND SERVICES / page no. 6	We request NALCO to clarify the meaning of "structure". Is it structure of bucket wheel reclaimer machine.	It includes structure of BW reclaimer.
65	2.2.3 R eplacement of the existing rail of Reclaimer with the new rail of adequate capacity. New room for load break switch and control JB at neutral zone shall be made after demolishing the existing one.	2.0 B IDDER'S SCOPE OF SUPPLY AND SERVICES / page no. 6	We request NALCO to provide the drg. of the EXISTING room drg. for load break switch and control JB at neutral zone.	The drawing is not avavilable ,however bidders may take input from actual site condition.
66	6.2 Mechanical & Others: The battery limit for the vendor starts from the bay of approximately 700MR over which two stock piles are formed. The counter weight structures and structural up to discharge chute to existing conveyor-701 falls within the battery limit.	6.0 Battery Limit: / page no. 8	We request NALCO to clarify the meaning of "The counter weight structures and structural up to discharge chute to existing conveyor-701 falls within the battery limit.".	As per NIT
67	2.2 .... The existing reclaimer travel is around 725MR (approx)	2.0 : BRIEF DESCRIPTION OF BAUXITE HANDLING SYSTEM / page no. 12	But as per the Data Sheet of Reclaimer (page no. 53 of tender specifictions) the travel length indicated is 690m. NALCO to confirm the correct travel length of the BW Reclaimer machine.	In normal operation the relaimer travel for 690m (approx),however foundation and rail of BW reclaimer will be replaced as per actual length .
68	2.2 .... The existing reclaimer travel is around 725MR (approx) on standard Indian rail IRS52 )	2.0 : BRIEF DESCRIPTION OF BAUXITE HANDLING SYSTEM / page no. 12	But as per the Data Sheet of Reclaimer (page no. 53 of tender specifictions) the Rail type & size indicated is UIC 60. NALCO to confirm the correct type & size of the Rail to be used for new BW Reclaimer.	As per NIT

Sl. No	Clause as per NIT	Clause No & Ref	Query	NALCO's Reply
69	ii) Service water as detailed below (for dust suppression system) shall be provided approximately at a distance of 600MR from the neutral zone. Further laying of new header from the point of supply throughout the bay length of 750MR approximately and distribution from the header shall be done by the Vendor.	4.0 : UTILITIES AVAILABLE AT BATTERY LIMIT / page no. 13	From the source of water, successful bidder will bring the water pipe line (either through underground / buried route or overground on the cable trestle) up to the neutral zone (approx. length of 600 m). - A new header/pipeline of approx. 750m length will be provided by the successful bidder along the travel path of the B.W. Reclaimer. - Water supply will come from the supply pipeline (provided by successful bidder) running along the machine long travel path. The running pipeline will be equipped with female part of QRC at the tapping points at every 50 m interval along the machine travel length. The hose on (the MANUAL hose reeling drum provided on the B.W Reclaimer machine) will be with male part of Quick Release coupling (QRC) to tap the water and fill the water tank provided on the platform. This is for clarity purpose.	Confirmed
70	1) The slew assembly shall be designed for a life equivalent to reclaimer over a nominal period of 30 years. The Supplier shall unconditionally guarantee the "Slew Assembly" for a period of two years and shall provide expectancy calculations covering all aspects of the slew assembly. The installations tolerances and under casting procedures shall be in accordance with the manufactures recommendations.	6.2.2 Slew Drive Assembly: / page no. 18	The statement is contradictory with regards to Slew Assembly. We request NALCO to elaborate the meaning of "Slew assembly". The Slew assembly comprises of which items ?	Here Slew assembly refers to slew bearing with gear .The slew assembly shall be designed for a life of minimum 100,000 operating hour.
71	2) The reclaimer slew motion shall have step less speed control. The slewing axis shall coincide with the center line of the reclaimer and it is offset with the axis of stockpile by 1.0MR towards existing yard conveyor.	6.2.2 Slew Drive Assembly: / page no. 18	As per the tender drg., the slewing axis of the reclaimer is offset with the axis of stockpile by 850mm towards existing yard conveyor.	same may be physically checked by the successful bidder during detail engineering
72	2) The boom luffing shall be through double acting hydraulic cylinders. The luffing angle of the boom conveyor shall be $\pm 15$ degrees.	6.2.3 Luffing Assemblies / page no. 19	The luffing angle of the boom conveyor shall be as per the design/layout requirement.	As per NIT
73	The bucket wheel assembly shall be of Alloy steel plates preferably Sail-hard/Tiscaral and sections are .....	6.2.5 Bucket wheel assembly / page no. 26	The bucket wheel body shall be made of MS E350 BR IS:20262.	As per NIT
74	The counter-weight / ballast shall be of concrete, easy to handle and with a suitable arrangement for adjustment of the weights. Each counter weight should preferably not be more than 40kg which shall be placed in a counter weight box.	6.2.8 Counter weight / page no. 27	We recommend to use bigger RCC blocks of approx. 10 to 12 MT weight. Fine adjustment of the counter weight will be done by smaller RCC blocks of suitable weight.	The weight of counter weights will be as per design of successful bidder.

Sl. No	Clause as per NIT	Clause No & Ref	Query	NALCO's Reply
75	3. Suitable brakes of adequate capacity shall be provided for all the motions, i.e. long travel, boom slewing, boom conveyor drive etc. The brakes shall be of DC operated electro-magnetic type for the boom conveyor drive. However, for the long travel drives and boom slewing drive, AC operated thruster brakes shall be considered & 4.8 Brakes Suitable state of art Braking mechanism shall be provided for slew, travel drive, Boom conveyor etc. Indigenous disc type shall be preferred.	6.2.11 Safety, Environment & related Requirements / page no. 29 & 6.6.6 Brakes and Holdbacks / page no. 36 & 4.0 EQUIPMENT SPECIFICATION / page no. 103	We recommend to use following type of brakes : 1) For Travel drive : DC electro-magnetic type DISC brake mounted on the rear end of Geared motor. 2) For Slew drive & Boom conveyor drive : AC operated thruster DRUM brakes. NALCO to confirm.	confirmed
76	5. The diameter of all carrying and return idlers shall be 152.4 mm for 1400mm width belt and it shall be preferably as per relevant SI no of enclosed Drg no: NAL/MECH/MISC/4112 and NAL/MECH/MISC/4131. However, the overall diameter of all rubber disc impact idlers, if used, shall be 190mm with the basic roll diameter of 114.3mm (min), preferably as per relevant SI no of enclosed Drg no: NAL/MECH/MISC/4127	6.5.3 Idler Assemblies / page no. 31	We request NALCO to provide following drgs. for Idlers since the same are not available in the tender documents : 1) Drg no: NAL/MECH/MISC/4112 2) Drg no: NNAL/MECH/MISC/4131 3) Drg no: NAL/MECH/MISC/4127	Drawing is uploaded in CPP portal.
77	Sub vendor list for Mechanical & Electrical Items	12.0 LIST OF SUB VENDORS (MAJOR EQUIPMENT) / page no. 44 & LIST OF SUB VENDORS (Electrical) page no. 85	We have reviewed the sub vendor list and confirm to comply the same. However, during execution of the project if required, we will request for additional reputed sub vendors name for NALCO approval.	As per NIT
78	1.0 DRAWING AND DATA REQUIREMENT Sl. No. 1 : Filled in Technical Compliance Format duly signed and stamped.	VENDOR DATA REQUIREMENT FOR RECLAIMER / page no. 47	We request NALCO to provide the "Technical Compliance Format" since same is not available in the tender documents.	Refer appendix-1 of SCC
79	2.0 RECLAIMER Reclaimer Boom Conveyor : Return Idlers : 10° two equal roll	DATA SHEET FOR RECLAIMER / page no. 53	We have considered Flat type (single piece) Return Idlers as per sl no. 6, page no. 57 of tender specification. NALCO to confirm.	As per NIT
80	2.0 RECLAIMER Reclaimer Boom Conveyor : Take up : HGTU & Manually operated screw type	DATA SHEET FOR RECLAIMER / page no. 53	HGTU is not applicable for boom conveyor of BW Reclaimer machine. We have considered Screw type Take-up (Hydraulically assisted and Manually locked).	confirmed

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Sl. No	Clause as per NIT	Clause No & Ref	Query	NALCO's Reply
81	Vendor shall furnish following information along with bid separate sheet shall be furnished for each conveyor in tabular form.	4.0 BELT CONVEYOR DATA / page no. 58	Not applicable since Yard conveyor is not the part of this bid.	As per scope mentioned in NIT
82	3.2 Test instruments All necessary test instruments required for measuring the performance guarantee parameters shall be arranged by the vendor free of charge.	3.0 SITE PERFORMANCE GUARANTEE / page no. 81	All necessary test instruments required for measuring the performance guarantee parameters shall be arranged by the vendor free of charge, but on Returnable basis. This is for clarity purpose.	Confirmed
83	1.1 : The works shall involve activities as listed but not limited to: - Obtaining statutory approval from local authorities such as Municipal Corporation, Development authorities, Inspector of Factories and any other concerned authorities before starting the works at site.	CIVIL - STRUCTURAL SCOPE OF WORK/ SUPPLY & JOB SPECIFICATIONS / page no. 420	Before starting the works at site, we understand that only NALCO's permission is required to start the work since the work will be carried out inside the NALCO plant boundary only. NALCO to confirm.	As per NIT
84	ii) Service water as detailed below (for dust suppression system) shall be provided approximately at a distance of 600MR from the neutral zone.	UTILITIES AVAILABLE AT BATTERY LIMIT page no. 14	We request NALCO to indicate the route for laying water pipeline from water source to neutral zone.	The source point was shown at site during pre-bid meeting. The route will be decided by the successful bidder on approval of NALCO.
85	6.1 Electrical: The battery limit for the vendor starts from supply and laying the Power cable from 6.6KV breaker housed in US-19. The nearest Substation i.e. US-19 is approximately 650MR from the neutral zone.	6.0 Battery Limit: page no. 8	We request NALCO to indicate the route for laying cable from US-19 to neutral zone.	The existing path of cable for existing machine will be followed.
86	Replace of exiting B.W Reclaimer machine.	General	We are not clear that out of the existing 3 nos. of B.W Reclaimer machines which machine has to be replaced. NALCO to clarify.	Reclaimer-701 will be replaced as per the scope mentioned in NIT.
87	Smart / intelligent MCC for motor feeders.	Cl. 2.1.6 of Pg no 4	NALCO to clarify whether Intelligent MCC or conventional MCC with Thermal Overload Relays required for motor feeders	conventional MCC with following criteria : 1.For motor rating $7.5Kw \geq$ and $<55Kw$ ,DMPR with earth fault protection and display shall be used. 2.For motor rating $\geq 55Kw$ ,numerical MPR shall be used . For control philosophy hard wiring shall be used and for protection purpose only the relay shall be used .

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Sl. No	Clause as per NIT	Clause No & Ref	Query	NALCO's Reply
88	Thermal Overload Relay	Cl. 24.0 of Pg no 119	NALCO to clarify whether Thermal Overload Relays or Intelligent Motor Protection Relays required for motor feeders	conventional MCC with following criteria : 1.For motor rating 7.5Kw> and <55Kw ,DMPR with eart fault protection and display shall be used. 2.For motor rating $\geq$ 55Kw ,numerical MPR shall be used . For contol philosophy hard wiring shall be used and for protection purpose only the realy shall be used .
89	6.1 Electrical: The battery limit for the vendor starts from supply and laying the Power cable from 6.6KV breaker housed in US-19	Cl. 6.1 of Pg no 8	We understand that successful contractor has to obtain 6.6 kV power supply from the outgoing side of a 6.6 kV Switchboard / Breaker HT-231 (NOT in BEUMER Scope of supply) installed in Substation US-19 (at Angle station). A 6.6 kV Load Break Switch (with Fuses) will be installed by the successful contractor, at the midpoint of the mobile hopper travel length, for isolation of 6.6kV supply from the machine at ground level. The distance of this location from US-19 is approx. 650 mtrs. The armoured, 6.6 kV (UE) grade, XLPE insulated, Aluminium cable of adequate size required for the connection from HT-231 in US-19 to the Load Break Switch at midpoint of the mobile hopper travel will be supplied and laid by the successful contractor. NALCO to confirm.	Confirmed
90	4.1.1 All Electrical equipments i.e. 6.6 kV Isolator Breaker Panel, 415V switchboard and associated equipments, VFDs, etc. shall be suitable for locating in non air-conditioned room and shall be rated for design ambient at 47 C.	Cl. 4.1.1 of Pg no 100	415V switchboard and associated equipment, VFDs, etc. shall be located in air-conditioned E-room and shall be designed considering derating factors accordingly.	Confirmed
91	4.1.3 No. of spare feeders in various switchboard and distribution boards shall be at least 20% of the outgoing feeders with minimum one feeder of each type.	Cl. 4.1.3 of Pg no 100	No. of spare feeders in 415V MCC shall be 1 no. of the highest rating and 1 no. of smaller rating. NALCO to confirm.	As NIT
92	All panels located indoors shall have min. IP-55 degree of protection	Cl. 4.4.1 of Pg no 102	All panels located indoors shall have min. IP-42 degree of protection. Degree of protection for various panels shall be as under : - MCC, PLC Panel – IP54, - APFC Panel – IP51, - VFD Panel – IP42	As NIT



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Sl. No	Clause as per NIT	Clause No & Ref	Query	NALCO's Reply
93	4.6 6.6KV Isolating panel (For Reclaimer) One 6.6 KV isolating panel at transformer incomer side in reclaimer and another at neutral zone (at junction point of trailing cable and aluminium cable). Further provision of HV isolation shall also be provided in Reclaimer at centre pit.	Cl. 4.6 of Pg no 103	One 6.6 kV Load Break Isolator panel (without fuses, but with shunt trip coil) will be provided at transformer incomer side on machine and another Load Break Switch (with fuses, but without trip coil) will be provided on ground at the junction point of trailing cable and aluminium cable (at centre pit). No further HV isolation required at centre pit.	One 6.6 kV Load Break Isolator panel (with fuses and shunt trip coil) shall be provided at transformer incomer side on machine and another Load Break Switch (with fuses and trip coil) will be provided on ground at the junction point of trailing cable and aluminium cable (at centre pit).
94	4.12 Limit Switches The backup limit switches shall have manual by-pass facility from the operator's cabin.	Cl. 4.12 of Pg no 105	The backup limit switches shall have manual by-pass facility from the local control station of the respective drive (located near the drive). By-pass facility of backup limit switches is not recommended from operator's cabin due to safety issue.	confirmed
95	4.17 UPS UPS shall be non-redundant type with by-pass arrangement, as per specification 1200-STD-UPS. Batteries shall be VRLA type with a back up time of 60 minutes.	Cl. 4.17 of Pg no 106	This is contradiction to clause no. 1.3.4, page no 344 of TS. We recommend backup of 30 min. NALCO to confirm.	2 Hrs battery back up shall be provided considering the load of PLC and engineering station.
96	Supply of 240V AC UPS with 2 hrs battery backup	Cl. 1.3.4 of Pg no 344	We recommend backup of 30 min. NALCO to confirm.	2 Hrs battery back up shall be provided considering the load of PLC and engineering station.
97	Cables tray shall be Epoxy painted prefabricated	Cl. 5.1.10 of Pg no 108	Cable trays shall be hot dip galvanised. NALCO to confirm.	confirmed
98	Earthing of conveyor gallery, transfer tower & reclaimer machine shall be carried out by vendor only	Cl. 5.3.7 of Pg no 109	Complete earthing of the electrical system for B.W Reclaimer machine including Rail s will be in our scope. However, conveyor gallery, transfer tower are not in our scope of supply and hence earthing is not applicable.	confirmed
99	The Supplier shall unconditionally guarantee the "Slew Assembly" for a period of two years and shall provide expectancy calculations covering all aspects of the slew assembly	Pg no 18	In case of failure of any component in the drive assembly, EPC Bidder has to replace that component without any cost implications to NALCO. (Basic) Mechanical slew drive consist of pinion, bevel-planetary gearbox, slip clutch coupling, brake & motor. Each item will be purchased by the bidder from different manufacturer. We will give them similar life expectancy condition and obtaining life expectancy calculation depends on manufacturer's policy. We can not commit on providing life expectancy calculation at this stage.	Here Slew assembly refers to slew bearing with gear. The slew assembly shall be designed for a life of minimum 100,000 operating hour.
100	The slewing axis shall coincide with the center line of the reclaimer and it is offset with the axis of stockpile by 1.0MR towards existing yard conveyor.		The slewing axis coincides with the center line of the reclaimer and it also coincides with the axis of stockpile. (Basic) Offsetting the slewing centre by 1000 mm towards yard conveyor/travelling hopper would destabilize the reclaimer in terms of balancing. We would recommend not to offset the machine.	same may be physically checked by the successful bidder during detail engineering

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Sl. No	Clause as per NIT	Clause No & Ref	Query	NALCO's Reply
101	There shall be a mechanical, non-slip type accurate torque limiting coupling with a proximity switch to indicate engage conditions between Motor and gear reducer.		Proximity is not necessary. (Basic) There is an encoder on gearbox for feedback to PLC.	As per NIT
102	The luffing angle of the boom conveyor shall be $\pm 15$ degrees.	Pg no 19	Luffing range will be finalized based on operational requirement. (Basic) 'The range shall be evaluated based on layout .	As per NIT
103	The boom slewing angle of the reclaimer boom conveyor shall be restricted to $\pm 70$ degrees.		Slewing range will be finalized based on operational requirement. (Basic) 'The range shall be evaluated based on layout.	As per NIT
104	The hydraulic cylinder shall be tested at 200% of the design pressure.		Nominal pressure for hydraulic cylinder: 250 bar Test pressure: 375 bar. (Basic) Common practice in hydraulic system application.	As per NIT
105	Each pump assembly comprising a foot mounted electric motor.	Pg no 33	Vertical flange mounted motor type power will be provided. (Basic) Horizontal foot mounted power packs are higher in size which can not be accommodated in this type of special machine.	As per NIT