

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Consignee ID	Delivery Period (In number of days)
1	3000010670_1_82701031070	<p>125A Power Receptacles                      415 Volt Power receptacles made from 2 mm thick CRCA Enclosure, IP-65 With Poly urethane joint less Gasket to ensure defined IP and longer life, Suitable for outdoor application with canopy, Powder coated, RAL-7035 Structure finish.                      Outgoing consisting with 3 Sets of 63 Amp, 5pin(3P+N+E) Heavy duty metal DS De-contactor Type Plug &amp; socket with individual 4 pole MCB Protection through panel cutout from outside with transparent cover , Loop in and loop out provision provided.                      One Number of extra spare 63A Heavy duty DS-Metal Plug to be supplied along with each Power Receptacle.</p> <p>All Technical Specifications as per Annexure-1.                      Bidder has to duly fill the Confirmation/Remarks column of the Annexure-1 for technical evaluation of the Offer. Supportive documents like technical catalogues to be attached with the Offer for technical scrutiny.</p>	30	EA	arbind.singh	120
2	3000010670_2_82649011100	<p>63A Power Receptacles                      415 Volt Power receptacles made from 2 mm thick CRCA Enclosure, IP-65 with Poly Urethane joint less Gasket to ensure defined IP and longer life, Suitable for outdoor application with canopy, Powder coated, RAL-7035 Structure finish.                      Outgoing consisting with 2 Sets of 32 Amp, 5pin(3P+N+E) Heavy duty metal DS De-contactor Type Plug and socket with individual 4 pole MCB Protection through panel cutout from outside with transparent cover, Loop in and loop out provision provided.                      One Number of extra spare 32A Heavy duty DS-Metal Plug to be supplied along with each Welding Receptacle.</p> <p>All Technical Specifications as per Annexure-2.                      Bidder has to duly fill the Confirmation/Remarks column of the Annexure-2 for technical evaluation of the Offer. Supportive documents like technical catalogues to be attached with the Offer for technical scrutiny.</p>	6	EA	arbind.singh	120
3	3000010670_3_40901101080	<p>Plug -Sockets for 1-Ph Power points:                      240 Volt, 1-Ph Power points made from 1.6mm thick CRCA Enclosure, IP-65 With Poly Urethane joint less Gasket to ensure defined IP and longer life Suitable for outdoor application with canopy, Powder coated, RAL-7035 Structure finish .                      Consisting with 2 Sets of 30Amp heavy duty 3pin SS TYPE Metal Plug and Socket with individual 2 Pole MCB Protection through panel cutout with transparent cover, Loop in and loop out provision provided.                      One Number of extra spare 30A Heavy duty SS-Metal Plug to be supplied along with each Power Receptacle.</p> <p>All Technical Specifications as per Annexure-3.                      Bidder has to duly fill the Confirmation/Remarks column of the Annexure-3 for technical evaluation of the Offer. Supportive documents like technical catalogues to be attached with the Offer for technical scrutiny.</p>	50	EA	arbind.singh	120
4	3000010670_4_82644503040	<p>Main Distribution Box for 125A Welding receptacles (Single Front Fixed Type) Indoor-Compartmentalization type.</p> <p>All Technical Specifications as per Annexure-4.                      Bidder has to duly fill the Confirmation/Remarks column of the Annexure-4 for technical evaluation of the Offer. Supportive documents like technical catalogues to be attached with the Offer for technical scrutiny.</p>	3	ST	arbind.singh	120
5	3000010670_5_82626501530	<p>Power Supply Distribution Box for 1-Phase Power Points (Wall Mtg. Type)</p> <p>All Other Technical Specification as per Annexure-5.                      Bidder has to duly fill the Confirmation/Remarks column of the Annexure-5 for technical evaluation of the Offer. Supportive documents like technical catalogues to be attached with the Offer for technical scrutiny.</p>	4	EA	arbind.singh	120
<b>NOTE:</b>	<p>Upgradation/Replacement of Power Supply system"</p> <p>a) Only OEM/OEM authorised dealers are allowed to quote for this Bid. OEM authorisation Certificate to be provided a the time of Offer. The authorization certificate shall contain name, email, designation, contact number of signatory of principal vendor.                      e) Drawings/Dimensions Approval to be taken from NALCO after successful placement of PO and before manufacturing/Fabrication.</p>					

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**ANNEXURE - 1**

(Mat Code: 82701031070, PR No: 3000010670)

**Technical Specifications for 125Amp Power Receptacles**

S.No	Specifications	NIT Requirement	Bidder Confirmation with Comments/Remarks
1	Power receptacles INCOMING	125 Amp	
2	Voltage	415V	
3	Enclosure - Thickness	CRCA - 2 mm	
4	IP protection	IP-65	
5	Gasket	Poly-Urethane Joint-less	
6	Application	Outdoor	
7	Canopy	Rain Canopy	
8	Coating	Powder coated, RAL-7035 structure finish	
9	OUTGOING sockets	3 Sets of 63 Amp for each receptacle	
10	Outgoing Socket Type/protection	5-pin(3P+N+E) Heavy duty metal DS De- contactor Type PLUG & SOCKET with individual 4 pole MCB	
11	Protection	Individual 4 pole MCB Protection for outgoing through panel cutout from outside with transparent cover.	
12	63Amp Spare Plug supply	One Number of extra spare 63A Heavy duty DS-Metal PLUG to be supplied along with each Power Receptacle.	
13	LILO	Loop in and loop out provision to be available.	
Drawing/Dimensional Approval to be taken from NALCO after successful placement of PO and before manufacturing. Bidder to Confirm			
Technical catalogues/drawings to be submitted at the time of Offer.			
Test Certificates to be submitted along with material. Bidder to Confirm			
Warranty period: Bidder to provide warranty certificate along with supply of material.		12 months from date of commissioning at our Site. Bidder to Confirm	
Whenever authorised distributors are submitting the bid, OEM's authorization certificate is required to be furnished along with the bid.		Bidder to confirm and submit OEM's authorization certificate with bid offer (incase Bidder is a distributor of the product)	

**Note:**

-Bidder's offer shall contain all certificates / documents sought in this Annexure-1.

-Bidder has to fillup each specification above in the Bidder's Remarks column with Confirmation/Deviations/Comments etc and submit this duly filled Annexure-1 along with the Bid offer.

**ANNEXURE - 2**

(Mat Code: 82649011100)

PR No: 3000010670

**Technical Specifications for 63Amp Power Receptacles**

<b>S.No</b>	<b>Specifications</b>	<b>NIT Requirement</b>	<b>Bidder Confirmation (along with any Comments/Remarks)</b>
1	Power receptacles INCOMING	63 Amp	
2	Voltage	415V	
3	Enclosure - Thickness	CRCA - 2 mm	
4	IP protection	IP-65	
5	Gasket	Poly-Urethane Joint-less	
6	Application	Outdoor	
7	Canopy	Rain Canopy	
8	Coating	Powder coated, RAL-7035 structure finish	
9	OUTGOING sockets	2 Sets of 32 Amp for each receptacle	
10	Outgoing Socket Type/protection	5-pin(3P+N+E) Heavy duty metal DS De- contactor Type PLUG & SOCKET with individual 4 pole MCB	
11	Protection	Individual 4 pole MCB Protection for outgoing through panel cutout from outside with transparent cover.	
12	63Amp Spare Plug supply	One Number of extra spare 32Amp Heavy duty DS-Metal PLUG to be supplied along with each Power Receptacle.	
13	LILO	Loop in and loop out provision to be available.	
Drawing/Dimensional Approval to be taken from NALCO after successful placement of PO and before manufacturing. Bidder to Confirm			
Technical catalogues/drawings to be submitted at the time of Offer.			
Test Certificates to be submitted along with material. Bidder to Confirm			
Warranty period: Bidder to provide warranty certificate along with supply of material.		12 months from date of commissioning at our Site. Bidder to Confirm	
Whenever authorised distributors are submitting the bid, OEM's authorization certificate is required to be furnished along with the bid.		Bidder to confirm and submit OEM's authorization certificate with bid offer (incase Bidder is a distributor of the product)	
<b>Note:</b>			
-Bidder's offer shall contain all certificates / documents sought in this Annexure-2.			
-Bidder has to fillup each specification above in the Bidder's Remarks column with Confirmation/Deviations/Comments etc and submit this duly filled Annexure-2 along with the Bid offer.			

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**ANNEXURE - 3**

(Mat Code: 40901101080)

PR No: 3000010670)

**Technical Specifications for Single-Phase Power Receptacles**

S.No	Specifications	NIT Requirement	Bidder Confirmation with any Comments/Remarks
1	Power Receptacle	1-Phase	
2	Voltage	240 V	
3	Enclosure - Thickness	CRCA - 1.6mm	
4	IP protection	IP-65	
5	Gasket	Poly-Urethane Joint-less	
6	Application	Outdoor	
7	Canopy	Rain Canopy	
8	Coating	Powder coated, RAL-7035 structure finish	
9	OUTGOING sockets	2 Sets of 30Amp for each power point	
10	Outgoing Socket Type/protection	3-pin(P+N+E) Heavy duty metal SS type PLUG & SOCKET with individual 2 pole MCB	
11	Protection	Individual 2pole MCB Protection for outgoing through panel cutout from outside with transparent cover.	
12	63Amp Spare Plug supply	One Number of extra spare 30A Heavy duty SS-Metal PLUG to be supplied along with each Power receptacle .	
13	LILO	Loop in and Loop out provision to be available.	
Drawing/Dimensional Approval to be taken from NALCO after successful placement of PO and before manufacturing. Bidder to Confirm			
Technical catalogues/drawings to be submitted at the time of Offer.			
Test Certificates to be submitted along with material. Bidder to Confirm			
Warranty period: Bidder to provide warranty certificate along with supply of material.		12 months from date of commissioning at our Site. Bidder to Confirm	
Whenever authorised distributors are submitting the bid, OEM's authorization certificate is required to be furnished along with the bid.		Bidder to confirm and submit OEM's authorization certificate with bid offer (incase Bidder is a distributor of the product)	
<b>Note:</b>			
-Bidder's offer shall contain all certificates / documents sought in this Annexure-3.			
-Bidder has to fillup each specification above in the Bidder's Remarks column with Confirmation/Deviations/Comments etc and submit this duly filled Annexure-3 along with the Bid offer.			

### **Annexure - 4**

(Mat Code: 82644503040

PR No: 3000010670)

#### Technical Specifications for Main Distribution Box for 125Amp Power Receptacles (Single, Front Fixed type)

S.No	Specification	NIT requirement	Bidder Confirmation with Comments/Remarks
1	Power Supply System	415V, 3 Phase, 50 Hz, 4 wire	
2	Maximum Ambient Temperature	50 degree C	
3	Symmetrical short circuit withstand Level	50 kA for 1 sec.	
4	Permissible Variations	Voltage : 415V +/- 10% Frequency : 50 Hz +/- 5%	
5	Construction	Floor Mounting, Modular Construction, Fully Compartmentalized, Suitable for Outdoor Application	
6	Enclosure	CRCA	
7	Gasketing	Jointless Poly-Urethane gasket for all doors ensuring sustained protection. Temp. withstand capacity -40 to +80°C. Resistance to mild acids & solvents.	
8	Enclosure of the panel shall be Type tested for	Resistance to Corrosion Severity Test B as per IEC 61439-1. Mechanical impact test for IK10 as per IEC 6262 : 2002	
9	Panels shall be Type tested for	Internal arc fault test of 50kA for 0.3sec as per IEC TR 61641: 2014	
10	Short circuit Type Test	Bus-bar system designed for 50 KA rms / 1sec, and peak fault withstanding Strength 105 KA as per IEC 61439-1 & 2.	
11	Temperature Rise Type test	Temperature rise not to exceed 40 degree C above ambient of 50 degree CAs per IEC 61439-1 & 2	
12	Impulse withstand Type test	Rated impulse withstand test for 8Kv , as per Sub clause 10.9 of IEC 61439- 1 & 2	

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13	Powder Coating Pre Treatment	10 tank spray-based system with Tri cationic Phosphating Powder type, epoxy based, tested for 1000 hours of salt spray life ensuring resistance against rusting.	
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## BOQ

Sl.No.	Description	Legends - Quantity	Bidder Confirmation with Comments/Remarks
<b>1</b>	<b>Incomer</b>	<b>250A 4P MCCB Feeder - 1 Nos</b>	
	250A, 4P, 50kA MCCB WITH THERMAL MAGNETIC RELEASE (O/C, S/C) WITH ROH+SPREADER+Aux.	MCCB - 1 Nos	
	<b>Metering</b>		
	Phase Indicating Lamp LED Type RED, Yellow, Blue	IL - 3 Nos	
	Phase Indicating Lamp LED Type On/Off	IL - 2 Nos	
	6A SP MCB 10KA for cont. ckt.	MCB - 3 Nos	
	6A DP MCB 10KA for cont. ckt.	MCB - 1 Nos	
<b>2</b>	<b>Outgoing</b>	<b>125A 4P MCCB Feeder - 6 Nos</b>	
	125A, 4P, 36kA MCCB THERMAL MAGNETIC WITH ROH+SPREADER	MCCB - 6 Nos	
<b>3</b>	<b>Panel Illumination Light / Heater Ckt.</b>		
	6A DP MCB 10KA for cont. ckt.	MCB - 2Nos	
	Door Limit Switch	DS - 2 Nos	
	Illumination Light LED 230Vac	PL - 2 Nos	
	3Pin Switch socket	PS - 2 Nos	
	Space Heater 230Vac	SH - 2 Nos	
	Thermostat (05-75 Degree Centigrade)	Th. - 2 Nos	
<b>4</b>	<b>Enclosure Size</b>		
	(800x2300x500) mm O/G MCC Bay (S/F & F/X)	FAB - 2	
<b>5</b>	<b>Busbar</b>		

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	Vertical Aluminium Busbar -250A, 50kA	B/BAR	
	Earth Busbar Aluminium	B/BAR	
	Wiring	Wiring	
Drawing/Dimensional Approval to be taken from NALCO after successful placement of PO and before manufacturing. Bidder to Confirm			
Technical catalogues/drawings to be submitted at the time of Offer. Test Certificates to be submitted along with material. Bidder to Confirm			
Warranty period: Bidder to provide warranty certificate along with supply of material.	12 months from date of commissioning at our Site. Bidder to Confirm		
Whenever authorised distributors are submitting the bid, OEM's authorization certificate is required to be furnished along with the bid.	Bidder to confirm and submit OEM's authorization certificate with bid offer (incase Bidder is a distributor of the product)		
<b>Note:</b> -Bidder's offer shall contain all certificates / documents sought in this Annexure-4. -Bidder has to fillup each specification above in the Bidder's Remarks column with Confirmation/Deviations/Comments etc and submit this duly filled Annexure-4 along with the Bid offer.			

## Annexure - 5

( Mat Code: 82626501530

PR No: 3000010670 )

### Technical Specifications for Power Supply Distribution Box for 1-Phase Power Points (Wall Mounting Type)

S.No	Specification	NIT requirement	Bidder Confirmation with Comments/Remarks
1	Power Supply System	415V, 3 Phase, 50 Hz, 4 wire	
2	Maximum Ambient Temperature	50 degree C	
3	Symmetrical short circuit withstand	50 kA for 1 sec.	
4	Permissible Variations	Voltage : 415V +/- 10%	
		Frequency : 50 Hz +/- 5%	
5	Construction	Floor Mounting, Modular Construction, Fully Compartmentalized, Suitable for Outdoor Application	
6	Enclosure	CRCA	
7	Gasketing	Jointless Poly-Urethane gasket for all doors ensuring sustained protection. Temp. withstand capacity -40 to +80°C. Resistance to mild acids & solvents.	
8	Enclosure of the panel shall be Type tested for	Resistance to Corrosion Severity Test B as per IEC 61439-1.	
		Mechanical impact test for IK10 as per IEC 6262 : 2002	
9	Panels shall be Type tested for	Internal arc fault test of 50kA for 0.3sec as per IEC TR 61641: 2014	
10	Short circuit Type Test	Bus-bar system designed for 50 KA rms / 1sec, and peak fault withstanding Strength 105 KA as per IEC 61439-1 & 2.	
11	Temperature Rise Type test	Temperature rise not to exceed 40 degree C above ambient of 50 degree CAs per IEC 61439-1 & 2	
12	Impulse withstand Type test	Rated impulse withstand test for 8Kv , as per Sub clause 10.9 of IEC 61439- 1 & 2	
13	Powder Coating Pre Treatment	10 tank spray-based system with Tri cationic Phosphating Powder type, epoxy based, tested for 1000 hours of salt spray life ensuring resistance against rusting.	



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BOQ			
Sl.No.	Description	Legends - Quantity	Bidder Confirmation with Comments/Remarks
<b>1</b>	<b>Incomer</b>	<b>160A 4P MCCB Feeder -1 Nos</b>	
	160A, 4P, 36kA MCCB WITH THERMAL MAGNETIC RELEASE (O/C, S/C) WITH ROH+SPREADER+Aux.	MCCB - 1 Nos	
	<b>Metering</b>		
	Phase Indicating Lamp LED Type RED,Y	IL - 3 Nos	
	Phase Indicating Lamp LED Type	IL - 2 Nos	
	6A SP MCB 10KA for cont. ckt.	MCB - 3 Nos	
	6A DP MCB 10KA for cont. ckt.	MCB - 1 Nos	
<b>2</b>	<b>Outgoing</b>	<b>63A, 2P, MCB Feeder</b>	
	32A DP MCB 10KA C-CURVE	MCB - 4 Nos	
<b>3</b>	<b>Enclosure Size</b>		
	(500x600x200) mm in 2mm CRCA	FAB - 1No	
<b>4</b>	<b>Busbar</b>		
	Vertical Aluminium Busbar LINKS	B/BAR	
	Earth Busbar Aluminium	B/BAR	
	Wiring	Wiring	
Drawing/Dimensions Approval to be taken from NALCO after successful placement of PO and before manufacturing. Bidder to Confirm			
Technical catalogues/drawings to be submitted at the time of Offer. Test Certificates to be submitted along with material.			
Warranty period: Bidder to provide warranty certificate along with supply of material.		12 months from date of commissioning at our Site. Bidder to Confirm	
Whenever authorised distributors are submitting the bid, OEM's authorization certificate is required to be furnished along with the bid		Bidder to confirm and submit OEM's authorization certificate with bid offer (incase Bidder is a distributor of the product)	
<b>Note:</b> -Bidder's offer shall contain all certificates / documents sought in this Annexure-5. -Bidder has to fillup each specification above in the Bidder's Remarks column with Confirmation/Deviations/Comments etc and submit this duly filled Annexure-5 along with the Bid offer.			

## CHECKLIST FOR TECHNICAL AND COMMERCIAL REQUIREMENTS

(Duly filled, signed and stamped copy to be mandatorily submitted with offer along with the mentioned documents, failing which it will be assumed that tender terms & conditions have not been accepted by bidder and offer shall be rejected)

S.No.	Nalco's Requirement	Bidder's Remarks
1	Item has been quoted as per material specification document without any deviation.	Yes/No
2	Duly signed and stamped 'Technical Specification' document <b>along with the supporting documents</b> has been submitted.	Yes/No
3	Prices are quoted on 'FOR Nalco Stores, Damanjodi' basis including all cost component viz. GST, P&F, freight, insurance etc.	Yes/No
4	GST rate included in the price	_____ %
5	Offer shall be valid for 120 days from the date of opening of tender i.e. final tender opening date with extension time, if any	Agreed/Not agreed
6	Payment term as mentioned in bid document under "Buyer Added Bid Specific ATC".	Agreed/Not agreed
7	Tender terms & conditions and GeM GTC shall only be applicable for the tender.	Agreed/Not agreed
8	Item(s) shall be procured as per the evaluation criteria mentioned in the tender.	Agreed/Not agreed
9	Please confirm acceptance to the tender delivery period.	Accepted/Not Accepted
10	Please indicate the despatching station of the material.	
11	Duly filled <b>Integrity Pact/Declaration</b> has been submitted with the offer	Submitted/Not Submitted
12	EMD as per tender requirement	Submitted and documentary proof uploaded/EMD exemption claimed/ No EMD requirement in the tender.
	Document in support of EMD exemption as per cl. (a) "EMD Exemption" of tender document.	Submitted/Not applicable
<b>Note- If EMD submission is a requirement of the tender, bidder has requested for EMD exemption and his claim is not found to be valid, such bid shall be rejected without any further communication.</b>		
13	MSE Purchase Preference as manufacturer of offered items claimed in GeM.	<b>Manufacturer of the offered items and UDYAM Registration Certificate</b> Submitted/Not Claimed/Not applicable
	<b>Note- Bidder must avoid false declaration of manufacturing status for the offered item. In case manufacturing status couldn't be verified from the offer, MSE purchase preference shall not be given.</b>	
14	Duly filled SA 8000 questionnaire provided with the tender has been submitted	Submitted/Dealer
15	<b>MII Local content declaration</b> as per GeM clause "Bid reserved for Make In India Products" as given in the tender document.	Submitted/Not Submitted
	<b>Note- Purchase preference to Class I supplier shall be given only if the local content declaration is submitted by the OEM.</b>	
16	Bank Mandate/Cancelled Cheque has been submitted with the offer	Submitted/Registered vendor-no change in already updated bank details
17	Cost break up in NALCO's format has been submitted.	Submitted/Not applicable

(Bidder's Signature with stamp)