



Ref.: COMM/C10/7253

January 2, 2020

CORRIDENDUM NO. 3 TO NOTICE INVITING TENDER

Job Name: Supply, Testing & Commissioning of LT Panels for Township Fire Water Pump & OWS Oil Segregating Plant in NRL (COMM/C10/7253).
Tender Ref.: OC10000325/SKD dated 06-12-2019 (Tender ID: 2019_NRL_525032_1)

With reference to above, kindly note the following w.r.t. the subject tender document:

Sl. No.	Document Reference	Clauses as per Tender document / Query asked by prospective bidders	Comments/ Clarification
1	Annexure-A (BOQ Item no. 10 & 20)- Page No-1 & Page No- 4	It has been mentioned in Page No-1 of your Annexure-A that the Panel should be Indoor Type , Whereas in the same page it has been mentioned that Feeder Pillar enclosure shall provide a degree of protection IP-55 , Moreover, in Point No-8 of Page No-4 it has been mentioned that Enclosure protection shall be as per IP-65 . So, please clarify whether to consider IP-55 / IP-65 or it will be designed for Indoor type (i.e. IP-42, IP-52 or IP-54).	For Indoor type panel (BOQ Item no. 10 & 20) Enclosure Protection shall be of IP-55.
2	Annexure-A (BOQ Item no. 10 & 20)- Page No-2 (Point No-16) & Page No- 4 (Point No-12)	It has been mentioned in Page No-2 of your Annexure-A that the The feeder Pillar shall be provided with an Aluminium Earth bus , Whereas in Point No-12 of Page No-4 it has been mentioned that One 50x6 mm GI strip shall be provided at bottom side inside the enclosure for earthing. So, please clarify whether to consider Aluminium Bus or GI Strip for earthing.	Panel Earth bus shall be of Aluminium of suitable size & capacity. GI Strip shall be for Earthing of the Panel enclosure.
3	Annexure-A (BOQ Item no. 10 & 20)- Page No-3 & Page No- 8	As per your GENERAL TECHNICAL REQUIREMENT : Rated short time fault current: 50 kA for 1 sec. (Page No-3) , whereas as per Page No-8 all Outgoing MCCB are rated for 36kA. So, please clarify whether to consider 50kA or 36kA for the Outgoing MCCBs.	Consider Short time Fault Current of 36KA for 1 sec for all outgoing.



4	Annexure-A (BOQ Item no. 10 & 20)- Page No-3 & Page No- 8	As per your Outgoing : MCCB above 125 Amp should have inbuilt electronic trip unit providing adjustable (current and time) overload, short circuit and inbuilt earth fault protection. (Page No-3) , whereas as per Page No-8 one FP MCCB with 36KA Breaking Capacity of Rating 160A with Ics=100% Icu & adjustable overload setting of $(0.8-1.0 \times I_n)$ has been mentioned, which indicates Thermal Magnetic Type MCCB in nature with Fixed S/C Protection & without E/F Protection. So, please clarify whether to consider as per page No-3 or as per Page No-8 for 160A Outgoing MCCB.	For 160A outgoing feeders, consider Electronic relay as specified in page no. 3.
5	Annexure-A (BOQ Item no. 10 & 20)- Page No-3 & Page No- 8	As per your Outgoing : MCCB above 125 Amp should have inbuilt electronic trip unit providing adjustable (current and time) overload, short circuit and inbuilt earth fault protection. (Page No-3) , whereas as per Page No-8 FP MCCB with 36KA Breaking Capacity of Rating 32A/63A/120A with Ics=100% Icu & adjustable overload setting of $(0.8-1.0 \times I_n)$ has been mentioned, which indicates Thermal Magnetic Type MCCB in nature with Fixed S/C Protection & without E/F Protection. As there is no guideline for MCCB below 125Amp, hence please clarify for the MCCBs of rating 32A/63A/120A what type of Release & Protection to be considered.	Consider specification of Page-3 for 125A MCCB and above. Consider specification of Page no 8 for MCCB below 125A ie, Thermal Magnetic Type MCCB in nature with 36KA Breaking Capacity of Rating 32A/63A/120A with Ics=100% Icu & adjustable overload setting of $(0.8-1.0 \times I_n)$
6	Annexure-A (BOQ Item no. 10 & 20)- Page No-8 & Page No- 10	As per Page No-8, Number of Motor Feeders- 06 Nos. {i.e. 2 Nos. 7.5KW, 2Nos. 18.5KW & 2Nos Spare (1No for 7.5KW & 1 No for 18.5KW) considering up to 30KW} whereas as per SLD (Page No-10) it has been shown 05Nos. Motor Feeders in total. So, please clarify the number of Motor Feeders to be considered (i.e. 06 Nos or 05Nos.).	SLD for W/S Pump House and U/G Pump House has 14 nos and 12 nos Outgoings respectively. Same need to be followed as per SLD. Drawings attached above.
7	Annexure-A (BOQ Item no. 10 & 20)- Page No-3 & Page No- 9	As per your GENERAL TECHNICAL REQUIREMENT : Rated short time fault current: 50 kA for 1 sec. (Page No-3) , whereas as per Page No-9 all Outgoing MCCB are rated for 36kA. So, please clarify whether to consider 50kA or 36kA for the Outgoing MCCBs.	36KA for 1 sec for outgoings.



8	Annexure-A (BOQ Item no. 10 & 20)- Page No-3 & Page No- 9	As per your Outgoing: MCCB above 125 Amp should have inbuilt electronic trip unit providing adjustable (current and time) overload, short circuit and inbuilt earth fault protection. (Page No-3) , whereas as per Page No-9 FP MCCB with 36KA Breaking Capacity of Rating 32A/63A/120A with Ics=100% Icu & adjustable overload setting of $(0.8-1.0 \times I_n)$ has been mentioned, which indicates Thermal Magnetic Type MCCB in nature with Fixed S/C Protection & without E/F Protection. As there is no guideline for MCCB below 125Amp, hence please clarify for the MCCBs of rating 32A/63A/120A what type of Release & Protection to be considered.	Consider specification of Page-3 for 125A MCCB and above. Consider specification of Page no 8 for MCCB below 125A ie, Thermal Magnetic Type MCCB in nature with 36KA Breaking Capacity of Rating 32A/63A/120A with Ics=100% Icu & adjustable overload setting of $(0.8-1.0 \times I_n)$
9	Annexure-A (BOQ Item no. 10 & 20)- Page No-9 & Page No- 11	As per Page No-8, Number of Motor Feeders- 09 Nos. {i.e. 5 Nos. 7.5KW, 2Nos. 18.5KW & 2Nos Spare (1No for 7.5KW & 1 No for 18.5KW) considering up to 30KW} whereas as per SLD (Page No-11) it has been shown 08Nos. Motor Feeders in total. So, please clarify the number of Motor Feeders to be considered (i.e. 09 Nos or 08Nos.).	SLD for W/S Pump House and U/G Pump House has 14 nos and 12 nos Outgoings respectively. Same need to be followed as per SLD. Drawings attached above.
10	Annex.-B (for BOQ item no. 30)- Page No-9	ON/OFF/TRIP Indication lamp (LED) for SFU Feeders has been mentioned in Page number-9, Please Note for SFU Unit Trip Indication is not applicable, So, please clarify whether to take only ON/OFF Indications against the same.	Only ON/OFF indication lamp for SFU feeders. TRIP indication not required.
11	Annex.-B (for BOQ item no. 30)- Page No-8 & Page No- 9	Make of MCCB as per Page No-8 : L&T / Siemens / ABB / Schneider/ GE Power / Novateur Electrical & Digital Systems (INDOASIAN). Make of MCCB as per Page No-9 : Schneider/C&S/L&T/ABB/Siemens/Merlin Gerin/Havell's or equivalent manufacturer. So, the both statement contradicts each other. Hence, Please Clarify the point regarding the make of MCCB.	Make of MCCB to be considered as: Schneider/C&S/L&T/ABB/Siemens/Merlin Gerin/Havell's/ GE Power / Novateur Electrical & Digital Systems (INDOASIAN) or EIC approved manufacturer.



12	Annexure-A (BOQ Item no. 10 & 20)- Page No-4 & Annex.- B (for BOQ item no. 30)- Page No-5	Detail foundation drawing, drawing of feeder pillar showing termination details, wiring diagram and complete bill of material must be submitted to NRL. Please Note construction of Foundation will not be in our scope.	Construction of Foundation will not be in the scope of bidder. Foundation will be constructed by NRL as per drawing submitted by the bidder which will be pre-approved by NRL.
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The bidders who have already submitted their bids in CPP portal may kindly resubmit their bids considering the above changes. Bidders have to upload this Corrigendum along with technical bids.

For any further technical clarification (if any) please contact:

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All other terms and conditions of the Tender Document remain unchanged.

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