



ASSAM PETRO-CHEMICALS LIMITED

(A Government of Assam Undertaking) | An ISO 9001:2008 Certified Company
CIN- U24116AS1971SGC001339, GSTN: 18AABCA6913A1Z6

Head Office & Factory Site:

Assam Petro-chemicals Ltd., Namrup, P.O. Parbatpur,
District: Dibrugarh, Assam-786623
Phone: (0374) 2500331/2500246/2500518, Fax: (0374) 2500231
Email: nrpapl@sancharnet.in, admin_apl@assampetrochemicals.co.in

Annexure-I

APL/Proj/Formalin-II/T-2/2018/ 1206

Dt:- 20-09-2018

Scope of work:- Supply/Installation/Fixing/Testing and Commissioning of Panel Board for residential power supply for the 200 TPD Formaldehyde Plant at Boitamari

Terms and conditions:

1. Rates quoted should be inclusive of all taxes and duties and exclusive of GST.
2. Rates quoted should be inclusive of transportation, mobilization, demobilization, site clearance installation charges etc.
3. Contractors having up to date renewed Electrical License of required grade applicable to 415 volt overhead lines, Electrical supervisor's certificate of Competency, in Form – B, issued by Electrical Licensing Board, Government of Assam, holding supervisors under their employment. The Electrical supervisor's certificate of Competency holder should be associated with the Contractor / firm and should be duly endorsed by the Electrical Licensing Board. Electrical supervisor presence at site is mandatory
4. Bidder Qualification Criteria:-
 - A. Technical:- Work order specifically containing the scope of Supply/Installation/Fixing/Testing and Commissioning of Panel Board with all its components, and cable laying including work completion certificate specifying amount paid for work executed and date of completion of the job during the last 3 years, ending 31st March, of the previous financial year
 - a) Three similar completed works costing not less than the amount equal to 40% of the estimated cost.

Or
 - b) Two similar completed works costing not less than the amount equal to 50% of the estimated cost.

Or
 - c) One similar completed work costing not less than the amount equal to 80% of the estimated cost



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B. Commercial

- (a) Average Annual Financial Turnover during the last 3 years, ending 31st March, of the previous financial year, should be at least Rs. 20,00,000.00 (Twenty Lakh).
 - (b) The bidder shall have earned a net positive profit for the last three consecutive years.
 - (c) The financial net worth of the bidder as per latest audited annual report shall be positive.
5. The bidder has to execute an agreement with APL in a non-judicial stamp paper of denomination not less than **Rs. 100.00** within 7 days after issue of LOI / Work Order. The format for the same is per **Annexure-C**.
 6. The bidder has to deposit a sum of **Rs. 17,600.00** (Rupees Seventeen Thousand Six Hundred) only in the form of a Demand Draft / Bankers' Cheque in favour of ASSAM PETRO-CHEMICALS LTD payable at NAMRUP as earnest money along with their offer. After acceptance of order by Vendor / Contractor (successful bidder), APL shall return the EMD to all unsuccessful bidders. EMD shall bear no interest.
 7. EMD and Performance Guarantee money shall not bear any interest.
 8. The work carried out by the bidder shall be guaranteed for a period of 6 (six) months from the date of completion. EMD and Performance Guarantee money of 10% work executed value shall be released after this defect liability period.
 9. 90% of work executed value shall be released after successful completion which includes Erection, Commissioning, Testing and Energization of the panel board along with all the works detailed in the SOR to the best satisfaction of the concerned Engineer in charge.
 10. No advance shall be paid for this work.
 11. No running bill would be paid for this work.
 12. Guarantee and Test certificate for the supply of cable from manufacture or authorized dealer (Valid Authorization letter copy from the manufacturer to be enclosed) must be supplied to APL.



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13. Guarantee certificate for the supplied of Panel Board (from CPRI approved Panel Builder whose certificate has already been submitted) along with the connected switchgear must be supplied to APL.
14. Calibration certificate of all measuring items like energy meter, Ammeter, Voltmeter must be supplied to APL.
15. Energization Certificate of the Panel board by the Component Authority as desired by the norms of APDCL.
16. Two sets of hardcopy each for the General Arrangement drawing and internal control wiring diagram must be submitted.
17. Soft copies in PDF format of the same as mentioned in SI-16 must be submitted in hard disc or pen drive.
18. **Final bill after energization of the Panel Board shall be accepted on submission of the following documents**
 - a) Covering letter from the bidder on their letter head for release of payment stating Work order No, date of completion and amount both in figures and words duly signed and sealed by the Tenderer (Two Copies).
 - b) Joint measurement sheet with Work order No, date of completion of the work, all the items of the SOQ with rates as per WO, quantity executed and amount duly signed and sealed by the Tenderer and APL representative.
 - c) Job completion Certificate from the bidder on their letter head for Work order No, date of completion and amount both in figures and words duly signed and sealed by the Tenderer (Two Copies).
 - d) No Claim Certificate from the bidder on their letter head for Work order No, date of completion and amount both in figures and words duly signed and sealed by the Tenderer (Two Copies).
 - e) Tax Invoice in the prescribed for duly signed and sealed by the Tenderer (Two Copies).
 - f) Along with the document mentioned in SI No 13, 14, 15, 16 and 17.

19. Some Technical Aspects to be followed

- a) The successful bidder must get the General Arrangement Drawing approved by APL.



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- b) List of all components like MCCBs with their accessories, Measuring instruments, Contactors, Overload relays, control cables with their Manufacturer name and Catalogue Number must be submitted for approval.
 - c) APL reserves the right to visit the fabrication site during the process of manufacturing and should be intimated to APL for such visit / visits.
 - d) All Control cable should be marked with ferrule numbers and should be placed in a disciplined manner so as to render aesthetic beauty to the Panel board.
 - e) LED indication lamps to be used.
- 20.** Bids will be evaluated based on lowest value satisfying all eligibility criteria. The rates quoted shall be inclusive of all taxes and duties and exclusive of GST.
- 21.** Any Statutory variation in Taxes and duties, after due date of submission of bid till the contractual completion period shall be on Owner's account, against submission of documentary evidence. However, in case of delay in completion period beyond the contractual date, for reasons attributable to contractor, any increase in these rates shall be borne by the contractor, whereas any decrease shall be passed on to the owner. OWNER shall take CENVAT benefit as applicable.
- 22.** The owner reserves the right not to execute the work at all or to split the work between two or more bidders, if necessary. Such a step shall not constitute a breach of the contract. APL reserves the sole right to terminate the contract at any point of time and deploy other party / parties to complete the job. In such case payment would be given to the newly deployed party / parties. APL reserves the right to accept or reject any of the proposals received at its sole discretion without assigning any reasons whatsoever. Incomplete bids and bids submitted after due date will be rejected.
- 23.** APL shall not provide any site facility like accommodation for workers, tools and tackles, electricity, water etc if required for execution of the work the same will have to be arranged by the bidder.
- 24.** The Completion period shall be **60 (Sixty) days**, excluding mobilization period of **7 (Seven) days**, from the date of issue of LOI/ WO. In case the job is delayed beyond the stipulated completion period (mentioned in work order) due to negligence, poor workmanship, deployment of unskilled



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manpower or of any other reason whatsoever on bidder's part, a penalty at the rate of 1% of work order value per week, limited to maximum of 10%, shall be recovered from the bidder bills

25. The schedule of Quantities and rates shall be read in conjunction with the specifications, and tender documents. Contractor shall not rely merely on the description given in the schedule of quantities and rates. All the work shall conform to IS specifications and quoted rates shall be deemed to include all works necessary to achieve this whether actually indicated under the item description or not. This contract shall be unit rate contract wherein payment will be made as per actual construction/ installation quantities at site.
26. All supplied items with invoice must be properly recorded at specified designated location before installation. Any mismatch would lead to deduction in the bill amount.
27. Relevant IS codes as applicable in the entire works and commodities supplied shall be strictly applicable. Non compliance would lead to rejection of the executed job or the commodity supplied.
28. The bidder may at its own discretion can examine the site of works and its surrounding and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into the contract. Claims of any kind due to variation or ignorance of site conditions and environmental conditions will not be eligible in any circumstances.
29. Bid validity period is 90 days from the date of opening of bids.
30. For clarification relating to bid/ Site visit the bidder may contact following

Name	Mr. A.C Barman	Mr. N.B.Borah Mr. S. Naha Mr. S.K Sarmah
Designation	GM. (Project)	Sr. Manager (P&C) Manager (Proj-Elec) Dy. Manager (Electrical)



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Address	Assam Petrochemicals limited P.O- Parbatpur. Namrup. District:- Dibrugarh PIN- 786623	Assam Petrochemicals limited P.O- Parbatpur. Namrup. District:- Dibrugarh PIN- 786623
Phone	0374-2500246/518	0374-2500246/651 +91- 70021-12510 +91- 86381-71503 +91- 94357 -47980

31. The estimated quantity shall be subject to a variation of 10%. However irrespective of any variation in quantity of individual items, the rate shall remain unaltered.
32. Payment would be made only on actual quantum of work successfully executed to the satisfaction of the Engineer – In - Charge
33. The bidder is expected to examine the bidding documents, including all instructions, forms, general conditions of contract of APL, special conditions of contract of APL, technical Specifications, drawing and other ENQUIRY documents and to fully familiarize itself with the requirements of the bidding documents.
34. INCOME TAX : Income tax at the prevailing rate shall be deducted from the CONTRACTOR's bills as per Income Tax Act. OWNER shall issue necessary TDS Certificate to the CONTRACTOR.
35. The quoted price shall be deemed to be inclusive of all taxes and duties except “Goods and Service Tax” (hereinafter called GST) (i.e. IGST or CGST and SGST / UTGST applicable in case of interstate supply or intra state supply respectively.)
36. Contractor / vendor shall be required to issue tax invoices in accordance with GST Rules so that input credit can be availed by OWNER / APL. In the event that the contractor / vendor fails to provide the invoice in the form and manner prescribed under the GST Act read with GST Invoicing Rules there under, OWNER / APL shall not be liable to make any payment against such invoice.



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37. GST shall be paid against receipt of tax invoice and proof of payment of GST to government in India or upon the same being reflected in the GST portal of the APL to the satisfaction of APL. In case of non-receipt of tax invoice or nonpayment of GST by the contractor / vendor, OWNER / APL shall withhold the payment of GST.
38. GST payable under reverse charge, if any shall not be paid to the contractor / vendor but will be directly deposited to the government of India.
39. Notwithstanding anything contained anywhere in the Agreement, in the event that the input tax credit of the GST charged by the Contractor/ Vendor is denied by the tax authorities to OWNER / APL due to reasons attributable to Contractor / Vendor, OWNER / APL shall be entitled to recover such amount from the Contractor/ Vendor by way of adjustment from the next invoice or from Bank Guarantee. In addition to the amount of GST, OWNER / APL shall also be entitled to recover interest at the rate of 24% and penalty. In case any penalty is imposed by the tax authorities on OWNER / APL.
40. TDS under GST, if applicable, shall be made from contractor's / Vendor's bill at applicable rate and a certificate as per rules for tax so deducted shall be provided to the contractor / Vendor.
41. No variation on account of taxes and duties, statutory or otherwise, shall be payable by Client to contractor/ vendor except for GST. However, any statutory variation for GST shall be payable up to contractual date of completion against documentary evidence. Any reduction in taxes and duties included in the price shall be passed on to OWNER / APL.
42. Any new taxes, duties, cess, levies notified or imposed after the submission of last/ final price bid but before the contractual date of completion of work shall be to OWNER / APL's Account. However, in case of delay in completion period beyond the contractual date, for reasons attributable to contractor, any increase in these rates shall be borne by the contractor, whereas any decrease shall be passed on to the owner. OWNER shall take CENVAT benefit as applicable.
43. Any other provisions in the GST not mentioned above will be sou-motto applicable.

Regd. Office: 4th Floor, Orion Place

Mahapurush Srimanta Sankardev Path, Bhagagarh, Guwahati, Assam-781005

Phone/Fax: (0361) 2461470/2461471/2461594

Email: aplguw@bsnl.in Web: www.assampetrochemicals.co.in



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44. The CONTRACTOR shall ensure compliance with all statutes, laws, rules and regulations of the Central or State Government or any other authority such as the Workmen's Compensation Act 1923, Payment of Wages Act, Minimum Wages Act 1948, Employees State Insurance Act, Employees Provident Fund Act, etc. and any and all statutory modifications thereof in connection with employees engaged by him or his sub-contractors in the work including proper insurance coverage.
45. All safety norms to be maintained during execution of the work. All safety equipment required including PPE is in the scope of the contractor. APL is not liable for any compensation in this regard.
46. The venue of jurisdiction in case of disputes shall be Dibrugarh, Assam, India
47. The above stated terms and conditions shall prevail in case of any conflict with the terms and conditions laid down in the General directions and Condition of Contract.
48. The bidder shall provide the authority to the person signing the bid.
49. Failure to furnish all the information required by the Bidding Documents or the submission of a bid not substantially responsive to the Bidding Document in every respect may result in the rejection of the Bid
50. The bidder shall indicate the total quoted price both in figures as well as in words in the format for submitting prices. Where there is a discrepancy between rates quoted in figures and in words, the rate quoted in the word shall prevail. Where there is a discrepancy between the unit rates and the amount entered, the unit rate shall govern for evaluating the correct amount. Rates and price shall be written only in schedule of quantities and rates given in any other format will be rejected and bidder will be disqualified.
51. The GDCC of APL is binding on this Contract.
52. **Preparation of Tender**
 - (a) Pricing information shall NOT be included in the technical part of the Tender. Tenderers shall ensure that no pricing information of any type is shown in their technical Tender. **Pricing information shall only be mentioned in the Price Bid of the Tender document. Price bid shall not be a part of the Technical bid.**



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- (b) Any Pricing information mentioned or Price bid accompanying the Technical Bid of the Tender document shall result in the rejection of the bid.
- (c) All papers of the tender should be signed and sealed by the authorised signatory of the Bidder. All the additional pages submitted as testimony shall also be signed, dated and sealed.
- (d) The prices quoted shall be firm.
- (e) The prices and amounts entered in Price Bid shall represent the Bidder's offer generally in accordance with the requirement. If there is a discrepancy in the amounts entered in figures and in words, the amount in words shall prevail.
- (f) Any amendment or modification of Tender documents will be notified in the website <https://www.assamtenders.gov.in/nicgep/app> and www.assampetrochemicals.co.in. The same will be binding on the Bidders. APL may, at its discretion, extend the date of submission of tender.
- (g) Bidders are advised to ensure that their bids are complete in all respects and confirm the purchaser's terms and conditions and bid evaluation criteria of the tender, for avoiding rejection of their offers.
- (h) Bidders are advised not to take any exception / deviations to the bid document. Still, if exceptions / deviations are maintained in the bid, such conditional / non-conforming bids may be rejected outright.
- (i) The bidder should provide name of contact person, contact mobile number, E-mail address and correspondence address along with the Technical Bid.
- (j) The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the Purchaser, shall be written in English language.
- (k) The bidder must submit copy of PAN and GST Regn No. etc as required issued by appropriate Govt. Authority.
- (l) All corrections and alterations, if any, in the entries of tender paper shall be signed in full and stamped by the tenderer with date. No erasers or overwriting are acceptable.



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53. Tender Submission

(a) Bids are to be submitted online on e-procurement website <https://assamtenders.gov.in/nicgep/app> in two parts along with scan copies of required documents and EMD. **Bids submitted only in hard copies and not submitted online will be rejected.**

(b) Original copies of the EMD, hard copies of Technical Bid and all other relevant document should **reach within 7 days after** the last date of bid submission date. All the documents shall be addressed to :

**General Manager (Project)
Assam Petro-chemicals Limited,
Namrup, P.O: Parbatpur,
Dist: Dibrugarh, PIN: 786623, Assam, India**

(c) Bid received only in hard copy or E-mail/Fax etc will not be accepted.

(d) Assam Petro-chemicals Limited will first open the **“Technical Bid”** and if found in compliance with tender conditions then **“ Price Bid”** will be opened.

(e) No request for extension of Bid closing date & time will be entertained. However APL at its discretion may extend the bid closing date and/or time. In case bid closing date is extended, same will be notified through Corrigendum in e-tendering procurement website <https://www.assamtenders.gov.in/nicgep/app>.

54. General Instructions to the Bidder:

i) **Assam Petrochemicals Limited (APL) invites online bids for execution of the under mentioned job.**

ii)

Name of Work	Earnest Money
Supply/Installation/Fixing/Testing and Commissioning of Panel Board for residential power supply for the 200 TPD Formaldehyde Plant at Boitamari.	Rs. 17,600.00

Authorized representative intending to be present at the time of opening of the bid shall submit authority letter duly sealed and signed by the bidder.



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IMPORTANT DATE & FEATURES

Sl. No.	Description	Remarks
a)	Bidding Document along with Addendum / Time Extension etc. (if any) available on Websites (for viewing & downloading)	Assam Government procurement portal website https://assamtenders.gov.in/nicgep/app OR APL's website www.assampetrochemicals.co.in
b)	Bid Download and Submission made available for the Bidder on the above website for the period	22/09/2018 to 05/10/2018
c)	Last Date and time for submission of Online Bids (DUE DATE)	Up to 15:00 Hrs. (IST) on 05.10.2018, only at Government of Assam Public Procurement Portal https://assamtenders.gov.in/nicgep/app
d)	Place of Submission of 1 sets of Original authenticated BQC Documents (Hard Copy) and EMD	General Manager (Project) Assam Petrochemicals Limited P.O. Parbatpur, Namrup Dist. Dibrugarh, Pin – 786623, Assam (India) Tel - +91 374 2500331
e)	Online opening of Techno-Commercial Bid.	10:00 Hrs. (IST) on 06.10.2018.
f)	Contact Person with details for any clarifications	Mr. N.B.Borah Sr. Manager (P&C) Mob No:- +91- 70021-12510 Email borah.nb@assampetrochemicals.co.in Mr. Somnath Naha, Manager (Project – Electrical) Mob. No. +91-86381-71503 Email -naha.s@assampetrochemicals.co.in Mr. Shyamanta Kumar Sarmah Dy. Manager (Electrical) Mob No:- +91- 94357 -47980 Email shyamanta111@gmail.com Assam Petrochemicals Limited P.O. Parbatpur, Namrup Dist. Dibrugarh, Pin – 786623, Assam (India)
g)	Bid Validity	90 days from the DUE DATE or EXTENDED DUE DATE
h)	Tender Fee	Not applicable
i)	Earnest Money Deposit	Rs. 17,600.00

Bidder can view/ download the complete Bidding Document from www.assampetrochemicals.co.in or <https://assamtenders.gov.in/nicgep/app> However, bidders have to submit their bids only through Government of Assam e-tendering website <https://assamtenders.gov.in/nicgep/app> as mentioned at Sl. No. **54(ii)(c)** above.



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BIO DATA FORMAT OF THE BIDDER

A. NAME OF BIDDER:

B. ADDRESS OF THE BIDDER(with e-mail ID and mobile No):-

C. GST Number :-

D. Bank Details

i. Name of the Bank :-

ii. Name of the Branch :-

iii. Account No :-

iv. IFSC Code of the branch :-

SEAL OF TENDERER

SIGNATURE OF TENDERER

Note: Enclose copies of PAN, GST registration, work completion certificate with amount, Electrical License and Electrical supervisor's certificate of Competency as specified in SI-3, Cancelled Bank Chaque, Panel builder's CPRI approval Certificate and Complete bid documents signed with date and shall bear the seal of the bidder. To support technical and financial qualification criteria the bidder must submit following in support:

- (a) Copies of Electrical License.
- (b) Copies of Electrical supervisor's certificate of Competency.
- (c) Copies of PAN, GST registration.
- (d) Cancelled Bank Chaque
- (e) Copies of Income Tax Return for last 03 years.
- (f) Copies of profit and loss A/C and Balance Sheet for last 03 years.
- (g) Work order copy with Work Completion Certificate as specified in SI-4.
- (h) Panel builder's CPRI approval Certificate.

All the documents shall be signed with date and shall bear the seal of the bidder and uploaded which would imply that all clauses of the ITB are agreed by the Tenderer and shall be binding for this contract.



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Annexure-A

Sl No	Sub-item SI No	Brief Description of the Panel Board	Qty	
1		Incomer with the below mentioned items .To be engraved as Main Incomer in Aluminum sheet for feeder identification.	1 No.	
	a)	800A, 4-Pole MCCB, 50 KA DN4-1250N, 320-800A		1 No.
	b)	Spreader Terminal DN4-800A, 4-Pole		1 No.
	c)	Rotary Handle DN4 Extended		1 No.
	d)	Voltmeter 0-500V		1 No.
	e)	Voltmeter Selector Switch		1 No.
	f)	Ammeter 0-800A		1 No.
	g)	Ammeter Selector Switch		1 No.
	h)	Indicating Lamp(with 2 sets of 3 different colours)		6 Nos.
	i)	3 Phase Digital Energy Meter with calibration certificate		1 No.
	j)	2A, SP MCB		9 Nos.
	k)	CT-800/5A (1 No. per Phase)		3Nos.
	l)	Neutral Link		3Nos.
OUTGOING Feeders				
2		Domestic Quarters. To be engraved as Domestic Quarters-A and Domestic Quarters-B in Aluminum sheet for feeder identification.	2 Nos.	
	a)	125A, 4-Pole MCCB, 25 KA, DN2-250D, 100-125A		2 Nos.
	b)	Spreader Terminal DN2-250A, 4-Pole		2 Nos.
	c)	Rotary Handle DN2 Extended		2 Nos.
3		Guest House. To be engraved as Guest House in Aluminum sheet for feeder identification	1 No.	
	a)	100A, 4-Pole MCCB, 25 KA DN0-100D, 80-100A		1 No.
	b)	Spreader Terminal DN0-100A, 4-Pole		1 No.
	c)	Rotary Handle DN0 Extended		1 No.
4		Water Pump. To be engraved as Water Pump-A and Water Pump-B in Aluminum sheet for feeder identification	2 Nos.	
	a)	100A, 4-Pole MCCB, 25 KA DN0-100D, 80-100A		2 Nos.
	b)	Spreader Terminal DN0-100A, 4-Pole		2 Nos.
	c)	Rotary Handle DN0 Extended		2 Nos.
	d)	Power ContactorMNX80		2 Nos.
	e)	Overload relay MN 5, 45-75 A with auxiliary NO and NC contacts		2 Nos.
	f)	Motor feeder internal wiring with 1 c x 35 Sq.mm multi strand Copper insulated wire for Power Line and 1 c x 2.5 Sq. mm multi strand heat resistant Copper insulated wire for Control circuit wiring.		2 Nos.
5		63 Amps Out going Feeders. To be engraved as Street	7 Nos.	



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District: Dibrugarh, Assam-786623
Phone: (0374) 2500331/2500246/2500518, Fax: (0374) 2500231
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		Lighting –A , Street Lighting –B, Security Gate, Office & Security Barrack, Spare feeder –A, Spare feeder –B and Spare feeder –C in Aluminum sheet for feeder identification		
	a)	63A, 4-Pole MCCB, 25 KA DN0-100D, 50-63A	7 Nos	
	b)	Spreader Terminal DN0-100A, 4-Pole	7 Nos	
	c)	Rotary Handle DN0 Extended	7 Nos	
6		32 Amps Out going Feeders. To be engraved as First Aid Centre in Aluminum sheet for feeder identification		1 No.
	a)	32A, 4-Pole MCCB, 25 KA, DN0-100D, 20-32A	1 No.	
	b)	Spreader Terminal DN0-100A, 4-Pole	1 No.	
	c)	Rotary Handle DN0 Extended	1 No.	

Note-

- a) Danger Notice plates as per relevant IS 2551 -1982 with latest amendments to be provided on 2 locations on the top of the panel.
- b) Removable Lifting eye bolt to be provided for Lifting the panel.
- c) Control wiring:- All internal wiring control wiring shall be done with 2.5 Sq.mm insulated copper conductor.
- d) Incomer feeder should have provision for entry of 2 Nos. 3 ½ core x 150 Sq.mm armored PVC insulated power cables.
- e) All outgoing feeders with 63 amps capacity should have provision for entry of 1 No. 3 ½ core x 50 Sq.mm armored PVC insulated power cables.
- f) All outgoing feeders with 35 amps capacity should have provision for entry of 1 No. 3 ½ core x 35 Sq.mm armored PVC insulated power cables.
- g) All feeder outlets should be 3 Phase + Neutral.
- h) Safety barrier to be provided on all the outgoing feeder terminals.
- i) Floor mats to be provided at the front of the panel on entire length of the panel.
- j) Earthing connection point must provided on both sides of the panel.
- k) Size of the Panel should not exceed Height 2.5mtr (inclusive of channel height). Length 2.5 Mtr and Width 0.5Mtr.



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Annexure-B

SCHEDULE OF QUANTITIES

Supply/Installation/fixing/testing and Commissioning of Panel Board for residential power supply for the 200 TPD Formaldehyde Plant at Boitamari, Bongaigaon District

Sl. No	Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	<p>Supply/installation/fixing/testing and commissioning of LT indoor Distribution PMCC Panel board with 1 No. Main Incomer and 13 Nos. of Outgoing Feeders as details given in Annexure-A, at the 200TPD Formaldehyde Plant site at Boitamari, Bongaigaon District. Panel should be Channel mounted and cubicle and type shall be suitable for 415 volts, 3 phase, 4 wire, 50 Hz system made up of 2 mm CRCA Sheet steel cubicle compartmentalized painted with Epoxy power coated shade No- RAL-76032 with minimum 50 micron thickness after complete treatment in 9 tank chemical process. The degree of protection shall be IP-55 with 2 Nos. of earthing terminals with 25 x 3mm GI strap. The enclosure, dust and vermin proof, self standing, floor mounting, M.S. cubicle cabinet with hinged type door in both front rear, with detachable gland plate.</p> <p>Bus Bar and downcomers:- A set of high conductivity Aluminium Bus bar with sleeved bus bar rated for 800 Ampere with size not less than 10mm x 8 mm and rigidly supported to withstand short circuit fault current upto 50 KA.</p> <p>All components shall be installed in the panel board as the specification detailed in Annexure-A including internal wirings and all that are required for commissioning of the Panel Board</p> <p>All the brought out components shall of make L & T / ABB / Legrand.</p> <p>Control wirings shall be done with reputed brand control cable manufacturer Polyvab</p>	No	1		



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	<p>/</p> <p>The details of the panel as in Annexure-A</p> <p>Rate quoted should be inclusive of erection, testing, commissioning and energization.</p> <p>.</p> <p>Control wiring:- All internal wiring control wiring shall be done with 2.5 Sq.mm insulated copper conductor.</p> <p>Motor Control wiring:- All internal wiring control wiring for motor control feeder shall be done with 4 Sq.mm insulated copper conductor.</p>				
2	<p>Supply, laying of 1.1KV grade PVC / XLPE armoured cable with multi strand Aluminium conductor as per IS : 1554 (Part-I) with latest amendment direct in ground including excavation of the cable trench upto a depth of 0.75 mtr , sand cushioning, protective covering with brick as per IS : 1255 with latest amendment and refilling the trench etc. as required. The cables should be in one length. The job includes termination of cables at both panel and feeder end.This also includes clamping of cable on wall etc if required Metallic cable route marking to be done after every 25 mts.</p> <p>For the cable of the following sizes Cable Make: Finolex/Havells/Polycab/KEI. All material supply is in the scope of the contractor</p>				
	a) 3 ½ core x 50 Sq.mm	Mtr	300		
	b) 3 ½ core x 35 Sq.mm	Mtr	150		
	c) 2 Nos. 3 ½ core x 150 Sq.mm . In quantity length specified is the length of the trench where 2 nos. of cable would run in parallel. (Cable length = 2 Nos.X 100 Mtrs = 200 Mtr Trench Length = 100 Mtrs)	Mtr	100		
3	Supply and laying of Electronic Anthe static shock proof floor mat 1.1KV Grade	Sq.Mtr	3		
4	Electrification of Panel Room				



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4.1	Wiring for Indoor lighting/ ceiling fan/ exhaust fan/call bell point with 3x1.5 sq mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Make: Finolex /Havells/RR Kabel /Polycab) with flat 25 mm ISI marked casing 'n' capping (Make: AKG / Precision/ Presto Plast/Polycab) in surface wiring system, including 6 Amp flush type switch/ bell push (Make: Anchor /Kolor kany.Kom/ Havells/MK) and PVC/Backelite Switch Board (Make: Presto Plast/Havells/Linx/Anchor/) as approved and directed by the Deptt.) All materials are under the scope of the contractor.				
4.1.1	Short point up to 3.00 meter. length.	No	4		
4.1.2	Medium point upto 6.00 meter length	No	4		
4.1.3	Long point upto 10.00 meter length	No	4		
4.2	Wiring to 5 a pin 6 Amps plug point with 2X1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Make: Finolex /Havells/RR Kabel /Polycab / Anchor) with flat 25 mm ISI marked casing 'n' capping (Make: AKG / Precision/ Presto Plast/Polycab/) in surface system, including 5 pin 6 Amps flush type plug socket and 6 Amps F/T switch (Make: Anchor penta /Gold medal /Kolor kany.Kom/Havells) and PVC/Backelite Switch Board (Make: Presto Plast/Havells/Linx/Anchor/) including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete, when placed elsewhere. All materials are under the scope of the contractor.				
4.2.1	Medium point upto 6.00 meter length	No	2		



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4.3	Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Make: Finolex /Havells/Polycab/RR Kabel /including surface wiring with Flat ISI Marked PVC Casing n Caping (Make: Berlia/ AKG / Precision/ Presto Plast/Polycab including earth continuity. All materials are under the scope of the contractor.				
	a)With 2 x 2.5 sq. mm. + earth continuity with 1x1.5 sq. mm. in Flat 25mm ISI Marked PVC 'Casing' n 'Capping'	Mtr	15		
4.4	Supply, Installation,fixing, testing and Commissioning of 1X36/40 Watt fluorescent tube light(FTL) complete fitting each fitting made up of white power coated CRCA sheet steel as per the relevent IS with latest amendment , with all accessories for lighting with necessary wiring, earthing, providing ceiling rose etc as requird and as directed by the department. Make:Bajaj /Philips / Havells/ Crompton Greaves . All materials is in the scope of the contactor	No	6		
4.5	Supplying including fitting/ fixing of A.C. Exhaust fan of 225mm sweep of make: (ORIENT /PSPO/Bajaj/Havells) , making hole on the wall, making wiring connection for power supply, glanding, earthing, providing ceiling rose etc. as required complete and as directed by the Department.All materials are in the scope of the contractor.	No	2		
4.6	Supply, fixing, testing and commissioning with necessary wiring for power supply in both incomming and outgoing for 415 V, 50Hz, DP, 32A MCB, breaking capacity not less than 10KA, C-curve type with necessary wiring and earthing. Make:Legrand/L&T/Havells/ Schneider/ ABB. All materials are in the scope of the contractor.	No	1		



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4.7	Supply, fitting and fixing of 6 Way, SPN,MCB DB,with single door made up of CRCA sheet steel powder coated enclosure, with all accessories for connections such as DIN Rail, Neutran Link, Earthing connection nob, glanding etc. Conforms to IS with latest amendement of make Legrand/L&T/Havells/ Schneider/ABB. All materials are in the scope of the contractor.	No	1		
4.8	Supply, installation, testing and commissioning of Earth Electrode with perforated 3 Mtr. Long, 50 Mtr. Dia, GI Pipe as per IS: 3043 including all accessories like GI nut bolts, reducer, nipple , wire messed funnel, GI strip of 25mm X 3mm etc. and providing messonary with 2 ft under ground and 1 feet over ground enclosure with cover plate. All materials are in the scope of the contractor.	No	1		
4.9	Supply, laying, clamping and fixing (1 coreX25 Sq. mm) armoured alluminium conductor for connectin the earth electrode through (25mmX5mm) G.I. earth strip including connection, soldering etc. complete as per IS with latest amendment and as requird and directed by the department. All materials are in the scope of the contractor.	Mtr	20		
Total					

TOTAL RUPEES _____

ONLY GST EXTRA

Applicable Rate of GST to be mentioned by Bidder.

IGST:%

CGST:%

SGST:%

Note: In case the bidder is covered under composition Scheme under GST laws, then bidder should quote the price inclusive of the GST (CGST & SGST/UTGST or IGST). Further, such



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bidder should mention “Cover under composition system” in above column for GST (CGST & SGST/UGST or IGST), under such circumstances, bidder’s price will not be loaded with GST.

(Signature of Contractor with Seal)



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Annexure-C

AGREEMENT

(To be executed on non judicial stamp paper of value mentioned in the Tender document)

This AGREEMENT is made on the ____ day of _____ Month of _____ Year

BETWEEN

Assam Petro-chemicals Ltd, a company registered under companies Act,1956 have its registered office at Orion Place ,G.S. Road, Guwahati and principal place of business at P.O. Parbatpur, Namrup in the District of Dibrugarh, Assam (herein referred to as owner/APL) ", which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successors and assigns) on the **ONE PART**

AND

_____ hereinafter referred to as "CONTRACTOR", which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successors and assigns) on the **OTHER PART**.

WITNESSETH THAT

WHEREAS OWNER /APL desires to have works from the aforesaid CONTRACTOR on terms & conditions mentioned In this CONTRACT:

AND WHEREAS CONTRACTOR who has their own know how with resources for Performing such jobs has agreed to sign on works agreement and to render the services as per requirement of APL on Terms and conditions mentioned in this CONTRACT.

NOW Therefore Parties Agree That:

1) The following annexed hereto shall form an integral part of this CONTRACT:

- (i) Work Order No: _____
- (ii) Terms & Conditions of enquiry document.
- (iii) Name of the work _____
- (iv) Work order amount _____
- (v) Scope of work for CONTRACTOR as per CONTRACT.



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2) For the scope of WORK as mentioned in the CONTRACT, APL shall pay to CONTRACTOR lump sum of **Rs.** _____ (**Rupees** _____).

3) For the purpose of this CONTRACT address of Parties will be as follows and all correspondence and notices in relation to present agreement sent to PARTIES at the addresses below shall be deemed to be sufficient for serving notices on the PARTIES. All Such notices as well as bills, reports, documents etc, shall be addressed to the PARTIES at such addresses.

In WITENESS whereof the PARTIES have executed this CONTRACT through their Representatives duly authorized in this behalf:

Signed for and on behalf of

Signed for and on behalf of

Assam Petrochemicals Ltd.

Contractor

SIGNATURE

SIGNATURE

NAME

NAME

DESIGNATION:

PLACE:

PLACE:

DATE:

DATE:

WITNESS:

WITNESS:

1.

1.