

Pre-Bid Queries Against Adani Tender No.: AEML/MTB/2019-20/03

Turnkey Tender for Supply and Installation of 220kV cable system from AEML's 220kV Chembur EHV station to LILO tower of MSETCL Trombay – Nerul 220kV transmission line.

Sl No.	Bidding Documents			Existing Clause in Tender Documents	Bidder's Query	AEML Reply
	Vol/Sec No	Page No	Cl. No			
A Commercial Queries						
1	Clause No.:15.0 of Annexure-P: Supply, Payment Terms			<p>15.1 Stage-1: 10% advance payment shall be done on acceptance of Purchase Order against submission of Advance Bank Guarantee of equivalent amount valid till 90 days beyond delivery completion.</p> <p>15.2 Stage-2: 70% payment shall be made within 90 days from the date of receipt and acceptance of material at Stores/Site and on submission of following documents on prorata basis.....</p> <p>15.3 Stage-3: Balance 10% payment shall be made within 45 days from the completion of Testing & handing over of Individual circuits on Prorate basis and on submission of following documents.....</p> <p>15.4 Stage-4: Balance 10% payment shall be made within 45 days from the completion of Defect Liability Period and on submission of following documents:</p>	<p>We Request you to please amend the payment terms for supply as below: 15.1 Stage-1: 10% advance payment shall be done on acceptance of Purchase Order against submission of Advance Bank Guarantee of equivalent amount valid till 30 days beyond delivery completion.</p> <p>15.2 Stage-2: 70% payment shall be made within 30 days from the date of receipt and acceptance of material at Stores/Site and on submission of following documents on prorata basis.....</p> <p>15.3 Stage-3: Balance 10% payment shall be made within 45 days from the date of commissioning of Individual circuits on Prorate basis and on submission of following documents.....</p> <p>15.4 Stage-4: Balance 10% payment shall be made within 45 days from the completion of testing & handing over on submission of following documents:</p>	<p>15.1 Stage-1: 10% advance payment shall be done on acceptance of Purchase Order against submission of Advance Bank Guarantee of equivalent amount valid till 90 days beyond delivery completion.</p> <p>15.2 Stage-2: 80% payment shall be made within 45 days from the date of receipt and acceptance of material at Stores/Site.</p> <p>15.3 Stage-3: Balance 10% payment shall be made within 45 days from the completion of Testing & handing over of complete Project.</p>
2	Clause No. 12.0 of Annexure-A: Services, Terms of Payment			<p>12.1 Stage-1: 80% payment shall be made with in 30 days from the date of completion of work on prorata basis . Payment shall be done on submission of following documents.....</p> <p>12.2 Stage-2: Balance 20% payment shall be made with in 30 days from the completion of testing & handing over of Individual circuits on Prorate basis and on submission of following documents</p>	<p>We request you to please amend the payemnt terms for service as below. 12.1 Stage-1: 90% payment shall be made with in 30 days from the date of completion of work on prorata basis . Payment shall be done on submission of following documents.....</p> <p>12.2 Stage-2: Balance 10% payment shall be made with in 30 days from the completion of testing & handing over of Individual circuits on Prorate basis and on submission of following documents</p>	<p>12.1 Stage-1: 90% payment shall be made with in 30 days from the date of completion of work on prorata basis . Payment shall be done on submission of following documents.....</p> <p>12.2 Stage-2: Balance 10% payment shall be made with in 30 days from the completion of testing & handing over of Complete Project.</p>
3	Clause No. 1.6 of Annexure-G of Annual Maintenance Contract for EHV Cable System			<p>Contractor shall quote per unit rate for installation of Jointing and termination. Contractor shall submit PBG of Rs 1 Cr with validity period of 5 years from date of commissioning of scheme. Contractor shall submit PBG of contract one (1) month before the commissioning of the scheme.</p>	<p>As per clause no. 1.1 of Annexure-G of your tender the annual maintenance contract (Supply & Services) period shall be 48 (Forty eight months) from the date of expiry of defect liability period.</p> <p>Hence we Request to kindly amend the clause as below: Contractor shall quote per unit rate for installation of Jointing and termination. Contractor shall submit PBG of Rs 1 Cr with validity period of 4 years from date of expiry of defect liability period of scheme. Contractor shall submit PBG of contract one (1) month before the expiry of defect liability period.</p>	<p>We will go as per our Tender document. Annex G</p>
4	Annexure-1 of Annual Maintenance Contract of EHV cable System & Annexure-K of Bill of Quantities for 220KV Transmission EHV Sub-Stations			<p>As per Annexure-1 & Annexure-K</p>	<p>Request for clarification: Please confirm that Annexure-1 (Annual maintenance contract of EHV cable system) is also part of the total contract's price or NOT.</p>	<p>Bidder shall quote considering AMC.</p>
5	ANNEXURE K-TENDER BOQ, S.NO-1 & 2.			<p>UNIT</p>	<p>Request for clarification: Please change the Unit of Quantity from "KM" to " ROUTE KM" and do the necessary ammendment for clarity purpose.</p>	<p>Double ckt for 2.5 kM (Route KM)</p>
6	Annexure-G-scope of work during AMCR1 page no-1 to 5			<p>Annexure-G-ANNUAL MAINTENANCE CONTRACT FOR EHV CABLE SYSTEM. The Annual Maintenance Contract(Supply & services) period shall be 48 (Forty Eightmonths) from the date of expiryof Defect Liability Period.</p>	<p>Request you to kindly clarify wheather bidder has to quote AMC charges alongwith Bid. As per the given scope of work it is not clear . Kindly confirm .</p>	<p>Bidder has to quote only unit rates for AMC as mentioned in Annexure-G,These rates shall be firm during AMC Period.For Evaluation purpose bidder has to consider Five faults During (4 Year AMC Period) and 30RMT Civil work & 2 Nos of Jointing work per fault.</p>
7	Annexure-Q-GCC clause no-1.8 page no -16 of 147. Annexure-J Qualifying requirement clause no- 2.1.2 page no-2			<p>No Joint Venture The Contractor shall not constitute a joint venture, consortium or other unincorporated grouping of two or more Persons, following the execution of the Contract, without the prior written approval of the Employer.</p> <p>The applicant, individually or as Consortium/JV should have completed 10 years of presence in this field.</p>	<p>There is a contradiction in the clauses mentioned in Annexure-Q & Annexure-J for Joint venture. Bidder understanding is that Joint venture is acceptable for this tender . Details of Joint Venture condition is missing in the tender document. Kindly confirm.</p>	<p>JV is acceptable, however the primary bidder shall have sole responsibility for completing entire scope of contract. Complete Contract will be awarded to the Primary bidder.</p>
8	General - EMD			<p>Rs.85,95,000/- (Rupees Eighty Five lakh ninety five thousand only) (refundable without interest) (EMD, only in the form of D.D. / Banker's Cheque / Bank Guarantee, to be valid up to 180 days from the date of techno-commercial bid opening).</p>	<p>Request you to kindly provide the bank details to issue the EMD BG. 1) Name of the beneficiary 2) Banker's Name and address 3) Account No. 4) IFSC Code of the Bank Please also provide the Name and address in whose name the Bank Guarantee is to be made</p>	<p>AEML Transmission Bank Details: ICICI BANK ICICI CENTRE,163 H.T.PAREKH MARG,RECLAMATION,CHURCHGATE, MUMBAI -400020 A/C No.039305002456 IFSC: ICIC0000393 MICR: 400229027</p>
9				<p>Firm price for 220 KV cable valid for 180 days from bid submission.</p>	<p>We rquest to allow us to quote variable price (Base rate of copper & lead as on 6/5/19 , CSP price on LME) as the metal content is substantially high both for copper & lead. The prices of these metals are very volatile in the market & changing on daily basis on LME. We suggest to consider LME metal price & SBI exchage rate on 7th day from the date of your LOI for finalizing PO price. If there is holiday on 7th day at LME, next working day price to be considered. Alternatively we can accept prices as per IEEMA circular. The price shall remain firm thereafter once the PO rate is finalized.</p>	<p>Cable prices shall be FIRM.</p>
10				<p>AMC for 48 months, Annexure G</p>	<p>Our responsibility shall be limited up to completion of defect liability period only i.e. 12 months after handing over the system as we will not have any control over for any damage by third party.</p>	<p>Bidder has to Quote for Complete scope including AMC of 4 years after DLP.</p>
11				<p>Clause No. 4.1 of Section II: Instructions to Bidders states that bidder shall quote for the entire Scope of Supply with a break-up of prices for individual items whereas there is no price break-up schedule provided in the tender documents for individual items/components of Supply as well as Services. Please provide the same so that all the Bidders are on same platform regarding the quantities to be quoted.</p>		<p>L1 Bidder has to submit Price Breakup for major of items as mentioned in clause no 4.4 Of Turnkey Tender Docs.</p>
12				<p>1st paragraph of Section IV : Format for EMD Bank Guarantee states that "Whereas----- has submitted its bid dated [date of submission of bid] -----". Please note that for practical reasons, EMD would be prepared prior to submission of Bid, therefore, Bank may decline to issue the EMD BG due to the reason that on the date EMD BG is issued by the Bank, Bid is not submitted by the bidders. Hence, the bid submission date should be changed to Bid Reference No. of the Bidder.</p>		<p>Accepted</p>

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SI No.	Bidding Documents			Existing Clause in Tender Documents	Bidder's Query	AEML Reply
	Vol/Sec No	Page No	Cl. No			
B	Technical Queries					
1	Annexure-A,TD-SP-220kV Cable & Term-334-R0		Clause No. 1.4, SI. No. 5 of Table	<p>The conductor screen shall consist of extruded layer of thermosetting black semi conducting compound & All the requirement shall be as per IEC 62067</p> <p>Triple extruded XLPE insulation. Triple extruded XLPE insulation having minimum thickness 23 mm & nominal thickness (25mm) shall be in line with IEC 62067 recommendations.</p> <p>The insulation screen shall consist of extruded layer of black thermosetting semi-conducting layer. The minimum & average thickness shall be in line with IEC 62067 recommendations</p> <p>Borealis / Dow Chemicals only</p>	IEC does not specify thickness of conductor and insulation screen. It shall be as per manufacturer's standard. Please confirm	Thickness of conductor & insulation screen is not mentioned. Min.Thickness of XLPE insulation is 23mm & This is AEML's requirement
2	Annexure-A,TD-SP-220kV Cable & Term-334-R0		Clause No. 1.4, SI. No. 11 of Table	<p>The cable shall be suitable to carry continuously rated load current on 220 KV, single circuit, without exceeding the maximum conductor temperature of 90 deg. C.</p> <p>b) The current rating shall be calculated based on the following :</p> <p>i) Soil thermal resistivity – 1.40 deg.C Mtr / Watt</p> <p>ii) Ambient temperature – 40 deg C</p> <p>iii) Ground temperature 30 deg C.</p>	Clause No. 1.4, SI. No. 11 of Table: Please confirm the soil thermal resistivity to be considered as Clause No. 1.4, SI. No. 11 states the same 1.4 deg.Cmtr/Watt whereas Clause 1.3 states the same as 150 deg. C cm/Watt	Please consider 1.4 deg.Cmtr/Watt only
3	Annexure-A,TD-SP-220kV Cable & Term-334-R0		Clause No. 1.4, SI. No. 15 of Table:	220 kV Cable Joints (Insulated & Straight Through):	Please confirm that Joints are required with copper casing + GRP casing	PI refer sr.no. i & j of GTP of joints (copper casing with FRP/GRP/HDPE outer casing)
4	Annexure-A,TD-SP-220kV Cable & Term-334-R0		Clause No. 1.6, SI. No. 4 of Table:	All the tests in line with relevant IEC standards like IEC-62067 IEC 60840, IEC 60540 with latest amendments	Please note that IEC 60840 and IEC 60540 are not applicable for 220kV XLPE cable, therefore, these standards should be deleted.	Applicable standard shall be considered IEC 62067

5	General	Nil	Please confirm the requirement of current per Circuit	The Ampacity shall be minimum 1400 A
6	Annexure-A,TD-SP-220kV Cable & Term-334-R0 Clause No. 2	Type tests must have carried out from following international laboratories <input type="checkbox"/> KEMA, Holland <input type="checkbox"/> EDF, France <input type="checkbox"/> Hydro-Quebec, Canada <input type="checkbox"/> CESI, Italy <input type="checkbox"/> CPRI, Bangalore <input type="checkbox"/> IPH Germany	As FGH Germany is a part of CESI Italy, please include FGH Germany in the approved laboratory list in technical specification Clause No. 2.	Accepted
7	General	Nil	Please provide technical specification of 6 Fiber Single Mode Optic Fiber Cable.	The spec of DTS Cables (technical parameters of 6 F-SM and 48 F SM are similar) is attached in Annex -D
8	General	6. STATUTORY LIASONING: 6.1 Liaisoning with local police, RTO, private authorities, any other agencies like MTNL, TATA, MSETCL , BSNL etc. and all other government and local bodies. 6.2 The bidder shall take all possible steps to see that the already existing cables, pipes and other public utility systems are not damaged while attending to installation work 6.3 However in case the bidder expects that in a given location it would not be possible to carry out the works without possible damages, he shall bring the matter to the notice of the engineer in-charge of the works and get his approval before proceeding with the works. The bidder shall bear the compensation for damages caused in all cases.	Please confirm that Adani Electricity Mumbai Ltd. (AEML) would obtain Right of Way (RoW) permissions from authorities and make payment for the same	Please refer cl 6. STATUTORY LIASONING: of main tender doc
9	Document No. TD-SD-220kV Cable System for Chembur Second Feed on Turnkey Basis-346-R0 Clause No. 4.9 and 4.11	Document No. TD-SD-220kV Cable System for Chembur Second Feed on Turnkey Basis-346-R0 Clause No. 4.9 and 4.11	Please confirm that 220kV cable is to be laid in HDPE Pipe encased in concrete throughout the 2.5km cable route	PI go throughly through our tender documents (220kV cable is to be laid in HDPE Pipe encased in concrete throughout the 2.5km cable route except Pulling chambers & jointing chambers)
10	Document No. TD-SD-220kV Cable System for Chembur Second Feed on Turnkey Basis-346-R0 Clause No. 4.5	220kV Cable trench , pulling and joint chambers need to constructed as per Annexure E-1 to E-5 in line with civil work specifications (Annexure H). Also, Steel Bridge or HDD need to constructed on cable route if required.	states that Steel Bridge or HDD need to be constructed on cable route. Please include this work as a separate line item in the BOQ.	Requirement is optional . The cost of the same shall be considered in existing line items and quote accordingly
11	Clause No. 4.13 of Document No. TD-SD-220kV Cable System	4.13. 2 nos of DTS optical fiber cables (06 Fibers -Multi mode & 06 Fibers -Single mode) shall be laid along with each Y-phase of 220 kV cable for real time temperature monitoring of power cables. These 06 core cables need to configure with existing DTS (Distributed Temperature Sensing) system at Chembur EHV Station.(Pl. refer Annexure-E-2 for trench cross-sectional details & Annexure-F for scope of work for configuration of DTS system).	Please confirm whether 6 Fiber Multi Mode OFC or 6F Single Mode OFC is required to be supplied and laid for DTS System as per Clause No. 4.13 of Document No. TD-SD-220kV Cable System	Single composite cable consisting of (06 Fibers -Multi mode + 06 Fibers -Single mode) shall be laid along with each Y-phase of 220 kV cable

12	Please refer annexure D & F	Please refer annexure D & F	Please confirm that supply and installation of DTS System is not in bidder's scope.	DTS equipments are already installed at Chembur S/S. Supply of DTS cable and accessories and Interfacing DTS cable with existin DTS system is in bidderr scope. Please refer annexure D & F
13	General	Joint Route survey	We are requesting you to kindly conduct the joint route survey, which will hepls to clarify the site related points . Kindly confirm the same .	During pre bid meeting we have already done the walkover survey .
14	Annexure-K-Tender BOQ	1) Supply , loading transportation ,unloading at site , storage , laying, termination, jointintg , soak test, testing and commissioning of Double circuit 1C X 2500 sq mm 220kV Cable through complete Duct Bank system alongwith ,DTS and OFC cables from LILO tower of MSETCL TROMBAY – NERUL 220KV Transmission line to existing AEML Chembur EHV Substation as per Turnkey document No. TD-SD-220KV CABLE SYSTEM FOR CHEMBUR SECOND FEED ON TURNKEY BASIS-346 - R0. 2) Civil servises for cable route such as excavation,construction of duct bank,jointing and pullying chamber,refilling, ROW /Reinstatement coordination with MCGM,BSNL,RTO,Private land owners and other entities for the entire cable route from LILO tower of MSETCL TROMBAY – NERUL 220KV TRANSMISSION LINE. up to existing AEML Chembur EHV Substation as per Turnkey document No. TD-SD-220KV CABLE SYSTEM FOR CHEMBUR SECOND FEED ON TURNKEY BASIS-346 - R0.	As per the BOQ given with the tender only two line item is mentioned & spare is mentioned separately. Request you to kindly provide the detail BOQ for the work, it will help to come all bidders on single line or will help you to evaluate the bidders properly. Kindly confirm.	This is Turnkey tender. We have already specified all the scope of supply and service in our document. Details can be derived from the same.
15	Annexure-A, Specification of cable -clause no-1.4-(12) drum length page no-6 of 21	Economic drum length is to be determined by the vendor. However for bidding purpose the drum length of the cable shall be considered as @ 350 M. Exact length shall be confirmed at later stage after confirmation by contractor of route length + cable required for terminations and joints. The overall quantity tolerance shall be Nil	Request you to kindly confirm that if the exact drum lenth will increase or decrease in later stage, accordingly required accessories will be change , then AEML will pay for the actual qty require at the time of execution. Kindly confirm the same.	The Bidder may carry out detail survey and determine the accessories accordingly. Bidder has estimate the cost and bid accordingly.
16	General	Joint Site visit on dated-13/5/2019	During the joint site visit it was conveyed by AEML that cables has to be directly buried at AEML GIS substation premises upto GIS room no need to make separate RCC trench. Request you to kindly confirm the same which will help for all bidders on same assumptions.	The Bidder shall lay the cable in HDPE pipes encased with concrete at AEML GIS substation premises upto up to GIS building wall. Inside building (in cable cellar, RCC trenches are already constructed)

17	Annexure-Q-GCC clause no-11.3 change in quantity page no-82 of 147.	<p>The variation in the quantities of the items set out in the BOQ shall be paid for by the Employer in the following manner:</p> <p>a) There shall be no variation in the rates of the items mentioned in the BOQ as a result of any increase or decrease in the quantities of such items up to twenty five percent (25%). It is clarified that the aforesaid variation limits shall apply to the Contract Value, wherever applicable, and not to individual items mentioned in the BOQ.</p> <p>b) In case the increase or decrease in the quantities of any individual item or group of items mentioned in the BOQ is more than twenty five percent (25%) then the rates for the additional or reduced quantities, as the case may be, shall be mutually agreed between the Employer and the Contractor duly accounting for all savings that may be available to the Contractor in case of increased quantities.</p>	<p>In the view of clause no-Annexure-A, clause no-1.4 drum length, it is mentioned that bidders shall consider drum length @ 350 mtr for bidding purpose, but after detail route survey & engineering in the event of order drum length may get increased or reduced so accordingly allied accessories qty may change, but as per variation clause it is mentioned that there is not variation upto 25% & that shall apply to contract value not on individual items.</p> <p>Hence we request you to kindly confirm that actual required qty will be payable in the event of order.</p>	The Bidder has to carry out detail survey and determine the length & accessories accordingly. Bidder has estimate the cost and bid accordingly considering over route length not drum length
18	Annexure-E3 Cable joint chamber cross section .	HDPE Pipe Size mentioned in drawing .	As per the specification clause no-4.11 page no-5 of 18, HDPE pipe size mentioned 300mm dia PN6 & as per the drawing of joint chamber size mentioned is 250mm dia PN6 . Kindly confirm the which is to follow .	Earlier it was specified The HDPE pipe size is 300 mm dia. But some bidder has raised queries about standard HDPE available in market is in 315 mm dia. Hence, 315 mm dia. HDPE pipes shall be considered (All the drawings are typical and for reference only)
19	General & Site visit, Annexure-M Civil specification, point no-5, page no-2 of 11.	Construction of foundation for proposed LILo tower.	During the joint site visit it was conveyed by AEML that LILo tower supply & allied work i.e. foundation work is in other contractor scope not in cable bidder scope of work. Request you to kindly confirm / clarify the cable bidder scope at LILo end .	Foundation of tower is not in bidder scope. Please refer our document for bidder scope at LILo tower end.
20	Tender document page no-7 of 18 clause no-4.26	RCC chambers shall be constructed for jointing pits of OFC cables at intervals of 500m (2 nos OFC (48 Fibers SM) & 2 nos of DTS (6 Fibers MM & 6 fibers SM) - Pl. refer- Annexure-E7 for typical OFC box chamber.	Request you to kindly confirm the drum length for the OFC cable (48F) & DTS cable (6F MM & 6F SM) accordingly the jointing pits qty will arrive properly. Pl confirm.	Bidder shall decide the same .
21	Annexure-A-Technical specification cable & accessories, clause no-1.6 (2) & (3) testing, page no-12,13 of 21	<p>Type test report shall be submitted for the type, size and rating of the cable & accessories offered, along with the bid.</p> <p>Type test report for One Year duration Accelerated ageing test on complete cable system (with the offered design of cable & accessories) as per clause-13 of IEC-62067, to be submitted as a Qualifying requirement.</p> <p>The supplier shall submit prequalification test report for 220 kV cable & accessories as per IEC 62067 for AEML acceptance</p>	<p>Bidders understanding is that higher voltage type & PQ test is acceptable.</p> <p>Kindly confirm.</p>	Type & PQ test shall be as per IEC 62067

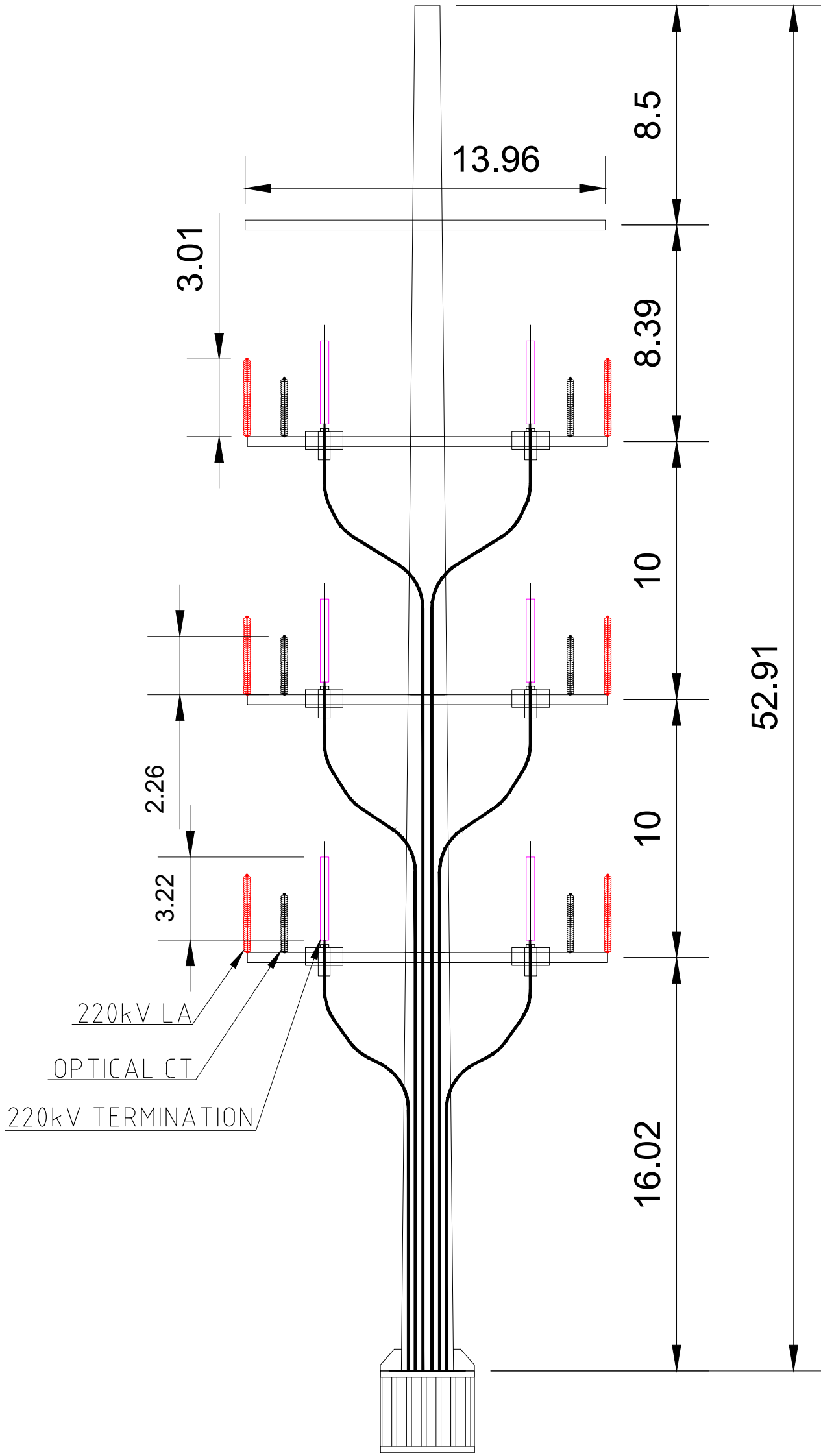
22	General	Approved vendor list .	Request you to kindly provide the approved vendor list for the below items, 1) Cable Accessories (Joint & termination) 2) Link Boxes . 3) OFC cable & DTS cable . 4) Electronic Ball marker. 5) Cable Cleat for 220KV EHV cable. 6) RCC Tiles. 7) Copper earthing strip & rod.	The vedors compling the technical specifications and qualifying requirements as per tender documets are eligible to supply these items .
23	QR _Annexure-J	220KV Cable and accessories type test and pre qualification test report shall be within 5yrs from date of submission of bids.	Please accept type test certificate within 10 years	Type test certificate within 5 years from international accredited laboratory is accepted
24	QR _Annexure-J	The Bidder should have credential of supply & services of following 220kV Cable related works at any other power utility under PSU or Govt. organization like any State Electricity Board, NTPC, PGCIL and reputed private power sector etc. during last 10 (ten) years ending on the day bid is submitted. The Bidder need to furnish self attested photocopies of	Cable length is runing metre or circuit metre.	running meter.
25	QR _Annexure-J	The Bidder should have successfully executed a contract for civil works required for underground cable laying for at least 5 KM for works, construction of joint bays and related civil works which must be in satisfactory operation for at least two years as on the date of bid submission.	Cable length is runing metre or circuit metre.	Circuit Km
26	QR _Annexure-J	Type test and pre qualification test new laboratory add in tender	Please add -SGS,Germany laboratory which is reputed and international Accredited	ok
27	QR _Annexure-J	The bidder should have credentials of supply & service for 220 KV system	We request to accept bid with JV / Consortium with foreign manufacturer. JV / Consortium should meet collectivity the requirement as per clause no 2.1.2 & 2.1.3 of QR.	PI refer clause no 2.1.2 & 2.1.3 of QR. bid with JV / Consortium with foreign manufacturer. JV is acceptable
28	DOCUMENT NO. TD-SD-220KV CABLE SYSTEM FOR CHEMBUR SECOND FEED ON TURNKEY BASIS-346 -R0	As per tender drawing of RCC joint bay shall be for one circuit	16 mtr joint bay, it should be for double circuit joints.	single circuit
29	DOCUMENT NO. TD-SD-220KV CABLE SYSTEM FOR CHEMBUR SECOND FEED ON TURNKEY BASIS-346 -R0	Cable support (Ladder) and end termination base support (platform) arrangement on cable termination tower.	It should be in scope of tower supplier & erection contractor.	confirm
30	DOCUMENT NO. TD-SD-220KV CABLE SYSTEM FOR CHEMBUR SECOND FEED ON TURNKEY BASIS-346 -R0	OFC cable and DTS cable both end termination and jointing scope	Clarify scope of this material supply and erection.	At tower end The jointing is not in your scope. At substation end OFC & DTS termination is in your scope.
31	DOCUMENT NO. TD-SD-220KV CABLE SYSTEM FOR CHEMBUR SECOND FEED ON TURNKEY BASIS-346 -R0	HDPE pipe OD 300mm in tender documents.	HDPE pipe OD 315mm available in market instead of 300 mm	HDPE pipes having dia.315 mm is OK
32	DOCUMENT NO. TD-SD-220KV CABLE SYSTEM FOR CHEMBUR SECOND FEED ON TURNKEY BASIS-346 -R0	Inside of GIS substation cable trench requirement	Please confirm whether RCC cable trench or buried cable trench required	As per typical trench given in tender document. No RCC cable trench
33	DOCUMENT NO : TD -SP-220KV CABLE & TERM-334-R0	Earthing arrangement for both end cable termination scope.	GIS end and outdoor termination end link box earthing system specification requirement and scope confirmation.	Bidder scope.
34	DOCUMENT NO : TD -SP-220KV CABLE & TERM-334-R0	Insulation thicknes minimum 23 mm	Can we offer nominal thickness of 19.5 mm & minimum 17.5 mm.	Insulation thicknes minimum 23 mm
35	DOCUMENT NO : TD -SP-220KV CABLE & TERM-334-R2	220KV Cable AC Voltage test (220 KV) on site at the time of commissioning.	Arrangements of 220 KV AC voltage shall be in scope of AEML.	Soak test arrangement by AEML
36	DOCUMENT NO : TD -SP-220KV CABLE & TERM-334-R3	Type test conducted not earlier than 5 years from the date of submission of bid shall be acceptable	We request to please consider period of 10 years in place of 5 years.	Type test conducted not earlier than 5 years from the date of submission of bid shall be acceptable
37	DOCUMENT NO : TD -SP-220KV CABLE & TERM-334-R4	Packing Length required 350 mtr for 220 KV cable.	Can we offer length between 400 to 450 mtr in one drum?	Permissible sheth volge calcutions shall be consideredLogistic aspects shall be handled by Bidder.

38	Clause No. 2.1.2 of Annexure-J, Page No.2	The applicant, individually or as Consortium/JV should have completed 10 years of presence in this field.	In India EHV Cable sector growth during past 7-8 years so mostly Indian cable manufacturers set their plants between this period. Hence, we request you to kindly amend the clause as read under: The applicant, individually or as Consortium/JV should have completed 5 years of presence in this field.	Will be evaluated during techno commercial evaluation
39	Clause No. 2.1.3 (a) of Annexure-J, Page No.2	The Bidder shall have a minimum of 5 years experiences in design, manufacturing and type testing of 220 kV or higher voltage class cable & accessories as on the date of Bid submission;	Any Indian cable manufacturer has no manufacturing experience of cable accessories. Hence, we request you to kindly amend the clause as read under: The Bidder shall have minimum of 5 years experience in design, manufacturing and type testing of 220 KV or higher voltage class cable and supply the cable accessories from such manufacturers who have 5 years experience in design, manufacturing & type testing as per IEC of 220 KV or higher voltage class cable accessories as on the date of Bid submission;	Will be evaluated during techno commercial evaluation
40	Clause No. 2.1.3 (b) of Annexure-J, Page No.2	The Bidder shall have supplied & installed 220 kV of higher class cable for at least 15 KM and accessories (Minimum 20 Nos of each type i.e. 220kV GIS end termination, Transformer end cable termination, Joints & outdoor terminations) which must be operating satisfactorily for the past 5 years;	1. Since there is no cable accessories manufacturer in India so these are brought out items so please consider credential of accessories manufacturer for cable accessories. 2. There is no difference between GIS and transformer terminations except corona shield so please count them collectively for both GIS/Transformer terminations. Drawings are enclosed for your reference. Hence, we request you to kindly amend the clause as below. The Bidder shall have supplied & installed 220 kv or higher class cable for at least 15 KM and which must be operating satisfactorily for the past 2 years. And supply the cable accessories from such manufacturer who have supplied and installed 220 KV cable accessories (Minimum 20 Nos of each type i.e. 220 KV GIS/Transformer end cable termination, Joints & outdoor terminations) which must satisfactorily operation for the past 2 years.	Will be evaluated during techno commercial evaluation
41	Clause No. 2.1.3 (c) of Annexure-J, Page No. 2 & 3	The Bidder shall have participated in the supervision and execution of underground cables including 220 kV level including all works like laying, jointing, termination, testing and commissioning of at least one projects which must be in successful operation for last three years as on date of bid submission.	We request you to kindly amend the clause as below: The Bidder shall have participated in the supervision and execution of underground cables including 220 kV level including all works like laying, jointing, termination, testing and commissioning of at least one projects which must be in successful operation for last two years as on the date of bid submission.	Will be evaluated during techno commercial evaluation
42	Clause No. 2.1.5 of Annexure-J, Page No. 3	The Bidder shall have done above mentioned works and shall be in service & working satisfactorily for last 5 years. Performance certificate is required for the same.	We request you to kindly amend the clause as below: The Bidder shall have done above mentioned works and shall be in service & working satisfactorily for last 2 years . Performance certificate is required for the same.	Will be evaluated during techno commercial evaluation
43	Clause No. 2.1.8 of Annexure-J, Page No. 3	Type Test certificates for 220 kV Cable, Joints & Terminations	As per IEC 62067, the type test report with higher voltage grade is also acceptable. Hence, we request you to kindly amend the same as read under: Type Test certificates for 220 kV or higher grade of Cable, Joints & Terminations	O.k
44	Sl. No. 5 of Clause No. 2.1.8 of Annexure-J, Page No. 3	Prequalification certificates for 220 kV cable, Joints & Terminations from recognized International laboratory as mentioned below: -KEMA, Holland -EDF, France -Hydro-Quebec, Canada -CESI, Italy -CPRI, Bangalore -IPH Germany	FGH, Germany is also reputed testing laboratory in the world and it is also a part of CESI, Italy. The Government utilities and PSUs (MSETCL, DTL etc) are listed this testing laboratory. Hence, we request you to kindly consider this testing laborator (FGH, Germany).	Ok. accepted
45	Sr. No. 1 of Annexure-K	Total required quantity of 220KV, 1CX2500 Sq.mm., Cable is 2.5 Km.	Total route length is 2.5Km as per scope of work. As there are double circuit so total cable quantity will be 2.5 X 6 = 15 Km. Request for clarification: Please clarify the required quantity of UG cable.	O.k. We have mentioned Double ckt .. Means 6 cables.
46	Annexure-F, Page No. 1	Scope of ITC services for configuration of DTS cable (Multi-Mode Fiber) in existing DTS system	Request for clarification: Please confirm the availability of concern person of M/s. Power international Ltd, india. & M/s. Silixa and M/s. Bandwaiver at the time of configuration of DTS.	Coordination with concern person is in your scope.
47	ANNEXURE A TECHNICAL SPECIFICATION FOR 220KV CABLES & 220KV ACCESSORIES -Document No.: TD-SP-220KV CABLE & TERM-334-RO- Page	Metallic screening (If required to meet short circuit rating)-Metallic screening shall consists of concentric layers of annealed copper wires followed by copper tape binder applied in helical form	We understand that required earth fault current of 40KA for 1 second is to be meet by the copper screen and lead sheath combinedly-Please confirm	confirmed

48	ANNEXURE K-TENDER BOQ, S.NO-1 & 2.	UNIT	Request for clarification: Please change the Unit of Quantity from "KM" to " ROUTE KM" and do the necessary ammendment for clarity purpose.	Double ckt for 2.5 kM
49	GENERAL	LILO TOWER DRAWING	Request for clarification: Please provide the LILO Tower (Monopole/Lattice) Drawing for Estimating the quantity of Cable and steel structure to be fixed on the LILO Tower.	plese refer Annexure 6A
50	GENERAL	RESTORATION WORK	Request for clarification: As discussed during the Prebid Meeting, the Restoration Work of Road/Footpath/Inter-locking Tiles is not in Bidder's scope. Also M/s Adani shall pay all the Statutory charges directly to the concerned corporations without any financial implications on the bidder. Please confirm the same.	Please refer Cl. No 6 of Main tender document
51	GENERAL	ROW/ROAD CUTTING PERMISSIONS	Request for clarification: Please confirm that all the ROW/ROAD CUTTING PERMISSIONS is in M/s Adani's Scope.M/s Adani shall pay all the Statutory charges directly to the concerned Departments without any financial implications on the bidder. Please confirm the same.	Please refer Cl. No 6 of Main tender document
52	2.1.3 b of Doc. No. TD-QR-220-CABLE & TERM-334-R0	The Bidder shall have supplied & installed 220kV of higher class cable for at least 15 Km and accessories (Minimum 20 Nos. each type i.e. 220kV GIS end termination,	We would request you to amend this clause as under: The Bidder shall have supplied & installed 220kV or higher class cable for at least 15 Km and	Will be evaluated during tecno commercial evaluation
53	2.1.5 b of Doc. No. TD-QR-220-CABLE & TERM-334-R0	The Bidder shall have done above mentioned works and shall be in service & working satisfactorily for last 5 years. Performance certificate is required for the same.	We would request you to amend this clause as under: The Bidder shall have done above mentioned works and shall be in service & working satisfactorily for last 3 years. Performance certificate is required for the same.	Will be evaluated during tecno commercial evaluation
54	2.1.8 of Doc. No. TDQR-220-CABLE & TERM-334-R0	The Bidder shall submit following documents for AEML's review <input type="checkbox"/> Type test certificate for 220kV cable, Joints & Terminations. <input type="checkbox"/> Prequalification certificates for 220kV cable Joints, Terminations.	We would request you to amend this clause as under: <input type="checkbox"/> Type test certificate for 220kV class as per IEC: 62067 or above cable, Joints & Outdoor Terminations & Indoor GIS Terminations. <input type="checkbox"/> Prequalification certificates for 220kV or above cable & 220kV or above Joints, Outdoor Terminations & Indoor GIS Terminations. In case the Prequalification certificates are for a lower size, the Bidder shall have to conduct the Prequalification test with the offered size or higher size for 220kV or higher voltage, against which retention payment of 10% would be heldup from the Bidder till	Will be evaluated during tecno commercial evaluation

55	2.1.8 of Doc. No. TDQR-220-CABLE & TERM-334-R0, SI. No. 5 of Table	<p>Type test certificate for 220kV cable, Joints & Terminations from recognized International laboratory as mentioned below:</p> <ul style="list-style-type: none"> <input type="checkbox"/> KEMA, Holland <input type="checkbox"/> EDF, France <input type="checkbox"/> Hydro-Quebec, Canada <input type="checkbox"/> CESI, Italy <input type="checkbox"/> CPRI, Bangalore <input type="checkbox"/> IPH Germany <p>Prequalification certificates for 220kV cable Joints & Terminations from recognized International laboratory as mentioned below:</p> <ul style="list-style-type: none"> <input type="checkbox"/> KEMA, Holland <input type="checkbox"/> EDF, France <input type="checkbox"/> Hydro-Quebec, Canada <input type="checkbox"/> CESI, Italy <input type="checkbox"/> CPRI, Bangalore <input type="checkbox"/> IPH Germany 	<p>We would request you to amend this clause as under:</p> <p>Type test certificate for 220kV class as per IEC: 62067 or above cable, Joints & Outdoor Terminations & Indoor GIS Terminations from recognized International laboratory as mentioned below:</p> <ul style="list-style-type: none"> <input type="checkbox"/> KEMA, Holland <input type="checkbox"/> EDF, France <input type="checkbox"/> Hydro-Quebec, Canada <input type="checkbox"/> CESI, Italy <input type="checkbox"/> CPRI, Bangalore <input type="checkbox"/> IPH Germany (now, IPH/CESI) <input type="checkbox"/> FGH, Germany (now, FGH/CESI) <p>Prequalification certificates for 220kV or above cable & 220kV or above Joints, Outdoor Terminations & Indoor GIS Terminations.</p>	Noted and accepted
56	1.6 of Technical Specification Doc: TD-SP-220kV Cable & TERM		<p>We would request you to amend this clause as under:</p> <p>Type Test The Cable & Accessories must be of "type tested" quality. Type test certificate shall be submitted for 220kV class as per IEC: 62067 or above cable, Joints & Outdoor Terminations & Indoor GIS Terminations.</p> <p>We would request you to amend this clause as under:</p> <p>Type Test The Cable & Accessories must be of "type tested" quality. Type test certificate shall be submitted for 220kV class as per IEC: 62067 or above cable, Joints & Outdoor Terminations & Indoor GIS Terminations.</p> <p>Prequalification certificates for 220kV or above cable & 220kV or above Joints, Outdoor Terminations & Indoor GIS Terminations.</p> <p>All type tests shall be carried out</p>	Will be evaluated during techno commercial evaluation

ANNEXURE-6 (ELEVATION)



220kV LA
OPTICAL CT
220kV TERMINATION

PROPOSED 220kV CTT TOWER
(CHEMBUR 2nd FEED)

CONCEPT DRAWING

REV	BY	APPD	DESCRIPTION	DA	MO	YR
APPROVED	AW		DRAWN	AVP	30	04
DATE	30/04/2019		CHECK	SB	30	04
SCALE			DESIGN	SB	30	04
A3			DES. CHK	AW	30	04
			CAD FILE			

adani
Electricity

PROJECT: CHEMBUR 2ND FEED PROJECT

TITLE: ELEVATION DRAWING
CABLE TERMINATION TOWER
(MONOPOLE)

DWG. _____ REV/ R0