

U.S. APPAREL & TEXTILES

SCHEDULE 1 {Regulation 3 (1)}

Date: March 12, 2018

The Registrar National Electric Power Regulatory Authority Islamabad.

Subject: Application for Generation License with listing of, the to be supplied, BPCs.

I, Muhammad Saqib, being the duly authorized representative of US Apparel & Textiles Private Limited ("USAT") by virtue of Board of Directors Resolution dated January 31, 2018, hereby apply to the National Electric Power Regulatory Authority for the grant of a Generation License to the USAT pursuant to section 15 of the Regulation of Genération, Transmission, and Distribution of Electric Power Act, 1997.

I certify that documents-in-support attached with this application are prepared and submitted in conformity with the provisions of the National Electric Power Regulatory Authority Licensing (Application and Modification Procedure) Regulations, 1999, and undertake to abide by the terms of provisions of the above-said regulations. I further undertake and confirm that the information provided in the attached documents-in-support is true and correct to the best of my knowledge and belief.

A Banker's Cheque **FT180710846SLKMM** dated **March 12, 2018** in the sum of Rupees 152,928 (One Hundred Fifty-Two Thousand Nine Hundred Twenty-Eight Only) being the non-refundable license application fee calculated in accordance with Schedule II to the National Electric Power Regulatory Authority Licensing (Application and Modification Procedure) Regulations, 1991, is also attached herewith.

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Best Regards,

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Group Picture Control of Control

	Head Office
26-M	, Gulberg - III, Lahore - Pakistan
	T +92 42 358 69 721 - 24
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<u>.</u>	
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51 3	
	Deutschland
Langeooger Platz	: 1, 28219 Bremen; Germany:
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	F +49 421 643 7031



MINUTES OF MEETING OF THE BOARD OF DIRECTORS HELD AS ON 31 JANUARY, 2018 AT THE REGISTERED OFFICE OF THE COMPANY

PRESENT:

Mr. Javed Arshad Bhatti (Chairman) Mian Muhammad Ahsan (Chief Executive) Mr. Mehammad Siddique (Director) Mr. Muhammad Siddique (Director) Mr. Ali Ahsan (Director) Mr. Usman Ahsan (Director) Mr. Sonaib Javed (Director)

In the chairmanship of Mr. Javed Arshad Bhatti, it has been decided by the Board of Directors that electricity will be supplied to sister concerns/ companies abutting US Apparel & Textiles (Pvt.) Ltd under the captive power ambit.

- Resolved that, electricity to be supplied to sister concerns/ companies abutting US Apparel & Textiles (Pvt.) Ltd namely to:
 - o Stylers International (Pvt.) Ltd.
 - o Stylers Plus (Pvt.) Ltd.
 - o SB Apparel (Pvt.) Ltd.
 - o Advance Fashion (Pvt.) Ltd.
- Further resolved that, mandate is given to Mr. Muhammad Saqib to sign/authorize on behalf of the Board of Directors any documents relating to supply of electricity and to get approvals from NEPRA.
- Further resolved that, Mr. Hafiz Mustansar Ahmad, Chief Operating Officer, to assist Mr. Muhammad Saqib and sign all technical documents relating to supply of electricity and to get approvals from NEPRA.
- Further resolved that, the above resolution is to be communicated to the NEPRA and concerned authorities and shall constitute the mandate of the company to them and shall remain in force until revoked by notice in writing by the Board.

BY ORDER OF THE BOARD

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DIRECTOR

1 | Page

	<u>Head Office</u>
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•	F +49 421 643 7031

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GOVERNMENT OF PAKISTAN



Certificate of Incorporation

(Under Section 32 of the Companies Ordinance, 1984 (XLVII of 1984)

Company Registration No. L 00030

I hereby certify that "U. .. MPAREL AND TEATLES (LELVETL) LIELTEU " XX XX XX 6X хχ XX CXis this day incorporated under the Companies Ordinance, 1984 (XLVII of 1984) and that the Company is limited by shares. Given under my hand at LALORE 18th day of rebruery, 1987 this one thousand nine hundred and eighty seven Fee Rs. <u>11120/- (Rupses fleven thousand one hundred a twenty</u> (nly). Sand Similar) JOINT REGISTRAR OF COMPANIES LAHORE OBS 3578 No. JRL/ Dated

THE COMPANIES ORDINANCE, 1984

COMPANY LIMITED BY SHARES

Memorandum of Association

Of

U.S. APPAREL AND TEXTILES (PRIVATE) LIMITED

PRELIMINARY

- The name of the Company is "U.S. APPAREL AND TEXTILES (PRIVATE) LIMITED."
- II. The Registered Office of the Company shall be situated in the Province of Punjab Pakistan

III. The objects for which the Company is established are as follows:

- To establish set and operate a Tailoring & Stitching plant for the manufacture of readymade garments of various types, patterns and designs and to carry on all such functions and business as are incidental and required to be a producer of ready made garments.
- To carry on the business of weaving manufacturing and making of fabrics from cotton; wool, silk, jute, yarn and other fibrous substances whether natural or artificial and the preparation dyeing, finishing etc, of the said substances and the sale of fibers, fabric cloths textiles items and allied products.
- To export, import, purchase, sell, comb, prepare, spin, weave, dye and otherwise deal in carpets, handicrafts, furniture, garments, yarn cloth, cotton, flat, jute, wool, silk and all or any fabrics item and other allied products.
- 4. To carry on business of carpet and linen manufacturing, bleaching, printing, combing, preparing, manufacturing, selling, buying and otherwise dealing, and the selling and selling and selling and the selling and sell

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- 14. To take part in the promotion, floatation, management, supervision or control of the business or operation of any company or undertaking having or proposing have similar objects of the Company.
- 15. To amalgamate with any person or company whether by sale, purchase (for fully paid shares) of the undertaking subject to the liabilities of this or any such other company with or without winding up or by purchase (or fully paid shares).
- 16. To draw, accept, endorse, discount, execute, issue, negotiate and deal in hundles, cheques, promissory notes, bills of exchange, bill of lading, warrants, debentures, Government promissory notes, port Trust debentures for the purpose of the company's business and to open company's banking accounts and give instructions for their operation except doing banking business.
- 17. To borrow or raise funds, by means of loans from shareholders, directors, commercial banks or Government financial institutions for the Company's trading and allied business and in particulars by mortgage of or charges to the undertaking and all or any of the property, assets (present or future) of the company or by the creation and issue of debentures, debenture stock, bonds, obligations or securities of any description or by issue of shares as fully paid.
- 18. To guarantee the performance of contracts, agreements, obligations or discharge of any debt of the Company or on behalf of any company or person in relation to the payment of any financial facility including but not limited to loans, advances, letters of credit or other obligations through creation of any or all types of mortgages, charges, pledges, hypothecation, on execution of the usual banking documents or instruments or otherwise encumbrance on any or all of the moveable and immovable properties of the Company, either present or future or both and issuance of any other securities or sureties by any other means in favor of banks, Non-Banking Finance Company (NBFCs) or any financial institutions and to borrow money for purpose of the Company on such terms and conditions as may be considered proper.
- 19. To pay all expenses, give remuneration, commission, brokerage or other compensation or reward for services rendered or to be rendered in or about the formation of the company or the conduct of its business and services rendered in placing or assisting to place or guaranteened in placing or underwriting of any of the shares in the capital of the Company or any debentures of securities of the company.
- 20. To invest and deal with moneys of the Company nd Imm required in such manners as may from time to time, determined to act as investment Company.

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branches, research center, training centers, institutions and System Analysis Development Center in all parts of Pakistan, native states or foreign countries and to send trained and technical persons abroad.

- To set-up a countrywide data communication network for providing data communication facilities to financial and business communities and others using fiber optic, VSAT (satellite) and radios (Subject to approval from competent authorities).
- 30. To design, develop and implement software, information technologies and related services for export from Pakistan.
- 31. To act as consultants or agents for companies, firms, individual association, local or government bodies, foreign governments, international agencies, to enter into agreements to act as suppliers of any and all kinds of goods, software, machinery, technology, equipment, products, materials, to act as intermediatories in the introduction of sellers, purchases, partners, employees and to employ exports to investigate, examine into the condition, design, management prospect, value and circumstances of any business, concerns and undertakings and generally of any assets, property or rights of any kind, subject to any permission required under the law.
- 32. To carry on the business of export, import and deal in computer software, computer hardware, machinery and all -types of equipments related to information technology including graphics designing, development work and to engage in business of development, purchase, acquire, rent, sell computer software and software applications independently or associated with other persons or companies.
- 33. To carry on the business of word processor, data processor, outsourcing services punched card operator, call centers, computer based composer, publisher, graphics, graphics solutions, designer, video animation, systems analysis, research, development, manufacturing, fabrication, information technologies and system engineering.
- 34. To carry on all or any of the business of establishing developing, expanding, enhancing, managing and operating telecommunication systems including systems signals, data or messages of any and all kinds and to carry on and to extend the business of telecommunication or any part thereof.
- 35. To sponsor, promote, float, incorporate, organize, manage administer, operate, invest or participate in and collaborate or stopperate/with modaraba companies, modaraba funds and modarabas of all types and, descriptions, mutual funds, unit trusts and other similar concentration efforts and stopperate in syndicates or otherwise provided that none of such enterprised of the funds thereof invested in, any business or venture which is opposed to the injunctions of Islam after obtaining approval from the elevan authorities.

charltable institutions, educational and institutions of public utilities, associations and clubs formed for the benefit of general public at large.

- 43. To enter into any type of lawful contract, agreement with any individual firm, co-operative or other society, trust, company, corporate body, Government or local authority other legal entity necessary or expedient for the purpose of carrying on any business of the Company.
- 44. To establish and maintain of any contributory or non-contributory pension or superannuation funds for the benefit of, and give or procure the giving of donations, gratuities, pensions, allowances or emoluments to any persons who are or were at any time in the employment or services of the Company, or of any Company which is a subsidiary of the Company or is allied to or associated with Company or with any such subsidiary Company, or who are or were at any time directors or officers of the Company or of any such other Company as aforesaid, and the wives, widows, families and dependent of any such persons, and also to establish and subsidies and to any institutions, associations, clubs or funds calculated to be for the benefit or to advance the interests and well-being of the Company or of any such other Company as aforesaid, and make a payments to or towards the Insurance of any such person as aforesaid and do any of the matters aforesaid either alone or in conjunction with any such other Company as aforesaid.
- 45. To employ and remunerate managers and other officers, employees and servants of the Company or any person or firm or Company rendering services to the Company upon such terms as the Company may determine.
- 46. To open branches, get registration of the Company and to undertake all or any of the business of the Company in any part of the world and to become a member of various associations and trade bodies whether in Pakistan or abroad.
- 47. To apply for and obtain necessary consents, permissions and licenses from any Government, State, Local and other authorities for enabling the Company to carry any of its objects into effect or for extending any of the powers of the Company or for effecting any modification of the constitution of the Company or for any other purpose which may seem expedien and to oppose any proceedings or applications which may seem operating of entering into arrangements with any government or authorities, central provint municipal, local or otherwise, public or quasi-public bodies, po with other persons, in any place where the Company may have interests of the mand to obtain from the any seem conducive to the Company or any of them and to obtain from any such Government, authorities, or persons any rights, priviles and to obtain from the company.

pledges, hypothecations, liens, mortgages and charges against the credit extended or moneys borrowed in connection with the business of the Company.

- 54. To settle disputes by negotiation, conciliation; mediation, arbitration, litigation or other means and to enter into compromise with creditors, members and any to her persons in respect of any difference or dispute with them
- To develop and/or transfer technology and to acquire or pass on technical know-how.
- 56. To train personal and workers, both in Pakistan and abroad, to obtain technical proficiency in various specialties connected with the business of the Company
- 57. To carry on the business of common carrier of goods and passengers by road, rail, air or water and also to carry on the business of designers, manufacturers, buyers sellers, hirers, retainers, agents, dealers, distributors, repairers, exporters, importers, owners and charters of road vehicles, aircraft and ships and to engage in any business of communication.
- 58. To vest any real or personal property, rights or interest acquired by or belonging to the Company in any person or company on behalf of or for the Company, and with or without any declared trust in favour of the Company, and to undertake and execute any trust undertaking whereof may seem desirable, and either gratuitously or otherwise.
- 59. To do all such other lawful things as may be deemed incidental or conducive to the attainment of the above objects or any of them.
- 60. It is declared that notwithstanding anything contained forgiving objects clauses of this Memorandum of Association nothing shall be construed empowering the Company indulge in or undertake business of banking company directly or indirectly banking, investment or insurance business or any other unlawful business.
- v. The liability of the members is limited.
- v. The authorized capital of the Company is Rs.133,000,000 (Rupees One Handredtion of thirty three Million Only) divided into 1,330,000 ordinary shares of RS (00P (Rupees One hundred only) each with powers to increase and reduce the capital of the Company and to divide the shares in the capital for the time being several classes in accordance with the provisions of the Companies Ordinande 51984.

THE COMPANIES ORDINANCE, 1984

COMPANY LIMITED BY SHARES

Articles of Association

Of

U. S. APPAREL AND TEXTILES (PRIVATE) LIMITED

PRELIMINARY

In these regulations:-

1.

a) "Section" means section of companies ordinance 1984.

- b) "The Ordinance means" the company means the common seal of the company.
- c) "The Seal" in relation to the company means the common seal of the Company.

(ii) Unless the context otherwise requires, words or expressions contained in these regulations shall have the same meanings as the Ordinance and words importing singular shall include the plural and vice versa and words importing the masculine gender shall include females and the words importing persons shall include females and the words importing persons shall include bodies corporate.

(iii) Subject to as hereunder provided the regulations contained in "Table A" in the first schedule to the companies, 1984 will apply to the Company so far as far as those are applicable to private companies under the Companies Ordinance, 1984.

PRIVATE COMPANY

- 2. The Company is a private within the meanings of Section 2(1), Clause (28) of the Companies Ordinance 1984 and accordingly:
 - a) No invitation shall be issued to the public to subscribe for any shares or debentures or of the Company;
 - b) The number of members of the Company (exclusive of the persons in employment of the Company) shall be limited to fifty provided that for the purpose of this provision where two or more persons hold one or more shares jointly they shall be treated as single member and.

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c) The right to transfer shares in the Company is restricted.

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 Except to the extent and in the manner allowed by Section 95, no part of the funds of the company shall be employed in the purchase of, or In loans upon the security of, the Company's shares.

TRANSFER AND TRANSMISSION OF SHARES

- 10. The instrument of transfer of any share in the Company shall be executed both by the transferor and transferee and the transferor shall be deemed to remain holder of the share until the name of the transferee is entered in the Register of Members in respect thereof.
- 11. Shares in the Company shall be transferred in the following form or in any usual or common form which the Directors shall approve:

As witness our hands this Witness:	. Day of Transferor's Signature
Occupation	Occupation
Full Address	Full Address
Witness	Transferee's Signature
Occupation	Occupation
Address	Nationality
Nationality	Address

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shares offered, and limiting a time within which the offer if not accepted, will be deemed to be declined and after the expiration of that time, or on the receipt of an intimation from the person to whom the offer Is made that he declines to accept the shares offered, the directors may dispose of the same in such manner as they think most beneficial to Company. The directors may likewise so dispose of any new shares which (by reason of the ratio which the new shares bear to shares held by persons entitled to an offer of new shares) cannot, in the opinion of the directors, be conveniently offered under this regulation.

- 18. The new shares shall be subject to the same provisions with reference to transfer, transmission and otherwise as the shares in the original share capital.
- 19. The Company may, by ordinary resolution:-
 - a) consolidate and divide its share capital into shares of larger amount than its existing shares;
 - b) Sub-divide its existing shares or any of them into shares of smaller amount than is fixed by the Company's Memorandum of Association, subject, nevertheless, to the provisions of Clause (d) of sub-section (1) of Section (92).
 - c) Cancel any shares which, at the date of the passing of the resolution, have not been taken or agreed to be taken by any person.
- 20. The Company may, by Special Resolution, reduce its share capital in any manner and with, and subject to, any incident, authorized and consent required by law.

GENERAL MEETINGS

- 21. A general meeting to be called annual general meeting, shall be held in accordance with provisions of Section 158, within eighteen months from the date incorporation of the Company and thereafter once at least in every year within a period of six months following the close of its financial years and not more than fifteen months after the holding of its last proceeding annual general meeting as may be determined by the directors.
- 22. All general meetings of the Company other than the annual general meeting shall be called extraordinary general meetings.
- 23. The Directors may whenever they think fit call an extraordinary general meetings shall also be called on such requisition, in default, may be called by requisitions, as is provided by Section 159. If at any time there are not within Pakistan sufficient Directors capable of acting to form a quorum, any Director of the Company may call an extraordinary general meeting in the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner as nearly as possible as that in which meetings may be called by the Directors are not within the same manner a

PROCEEDINGS AT GENERAL MEETINGS

24. Subject to the provisions of sub-section (3) of section 158 of the Comparies Ordinary (1997) and the days' notice at least (exclusive of the day on which notice is given) specifying the days' notice at least (exclusive of the day on which notice is given) specifying the days' notice at least (exclusive of the day on which notice is given) specifying the days' notice at least (exclusive of the day on which notice is given) specifying the days' notice at least (exclusive of the day on which notice is given) specifying the days' notice at least (exclusive of the day on which notice is given) specifying the days' notice at least (exclusive of the day on which notice is given) specifying the days' notice at least (exclusive of the day on which notice to exclusive of the company member shall not invalidate the proceedings at any General Meeting.

VOTES OF MEMBERS

- 34. Subject to any right and restrictions for the time being attached to any class or classes of shares, on show of hands every member present in person shall have one vote. Except for elections of Directors in which cases the provisions of section 178 shall apply. On a poll every member shall have voting rights as laid down in section 160.
- 35. In case of joint holders, the vote of the senior who tenders a vote, whether in person or by proxy shall be accepted to the exclusion of the votes of the other joint holders and for this purpose seniority shall be determined by the order in which the names in the register of members. In case of minor, guardian shall be entitled to vote for him.
- 36. A member of unsound mind, or in respect of whom any other has been made by and Court having jurisdiction in lunacy, may vote whether on show of hands or on a poll by his committee or other legal guardian may, on a poll, vote by proxy.
- 37. On a poll, votes may be given either personally or by proxy, provided that nobody corporate shall vote by proxy as long as a resolution of its directors in accordance with the provisions of Section 162 of the Companies Ordinance, 1984 is in force.
- 38. The instrument appointing a proxy shall be in writing under the hand of the appointer or his attorney duly authorized in writing, if the appointer is a corporation, either under the common seal or under the hand of an officer or attorney so authorised. No person shall act as a proxy unless he is a member of the company.
- 39. The instrument appointing a proxy and the power of-attorney or other authority (if any) under which it is signed or notarily certified copy of that power of authority, shall be deposited at the registered office of the Company not later than forty-eight hours before the time for holding the meeting at which the person named in the instrument proposes to vote and in default the instrument of proxy shall not be treated as valid.
- 40. An instrument appointing a proxy may be in the following form or in any other form near to the as may be approve by the Company.

I the district of being a member of I the district of Limited hereby appoint as my proxy to vote for the and on my behalf at the district of General Meeting of Extraordinary General Meeting of company to be held on the district of at any adjournment thereof.

Date.....

Signed.....

41. A vote given in accordance with the terms of an instrument of proxy shall be used in notwithstanding the previous dealh or insanity of the principal or revocation of the Broxy or stating authority under which the proxy was executed: or the transfer of the share in respect of which the proxy is given, provided that no intimation in writing of such death, insanity, revocation of transfer of the share in respect of the share in the share in respect of the share in the share in respect of the share in the share in respect of the share in the shar

on the day on which the director in whose place he is chosen was last elected as director.

- 53. The Company may remove a director but only in accordance with the provisions of the Ordinance.
- 54. Subject to the provisions of the Companies Ordinance, the remuneration of Directors shall from time be determined by the Board of Directors and according to the conditions as laid down under the Capital issues (Exemption) order, 1967.
- 55. The Directors may also sanction the payment of such additional sums as , they may think fit to any director for any special service, he may render to the Company subject to the approval of the shareholders at a General Meeting and in accordance with the provisions of the Companies Ordinance, 1984.
- 56. The Director who reside out of station shall also be entitled to be paid such traveling and other expenses as may be fixed by the Directors from time to time.
- 57. The quorum necessary for the meeting of Board of Director may be fixed by the Directors and unless so fixed shall be two Directors present in person
- 58. A resolution in writing signed by all the Directors without a meeting of Directors shall be as effective you all purposes as a resolution' passed at the meeting of the Directors duly held, called and constituted
- 59. The Directors may from time to time appoint one or more of their body to the office of the Chief Executive, Technical Directors, Directors of Sales and Purchases, Director in Charge, General Manger or Manager for such terms and at such remuneration as they may think fit subject to the approval of shareholder at General Meeting and the Companies Ordinance, 1984.

DISQUALIFICATION OF DIRECTORS

60. No person shall become the director of a Company if he suffers from any . of the disabilities or disqualifications mentioned in section 187 and if already a director, shall cease to hold such office from the date he so becomes disqualified or disabled.

Provided however, that no director shall vacate his office by reason only of his being a member of any Company which has entered into contracts with, or done any work for, the Company of which he is directors, but such director shall not vote in respect of any such contract or work, and if hereit to vote, his vote shall not be counted.

MANAGEMENT

- 61. The whole business of the Company will be carried on by the Board of Director who shall have all powers, authorities and discretions as are given to them by the Companies Ordinance 1981
- 62. Appointment and terms of Chief Executive of the Company will be governed by the Companies ordinance, 1984. The first chief executive of the will be **Mian Mohammad Ahsan**.

- d) To engage, fix and pay the remuneration of and dismiss or discharge 1 managers, engines, agents, secretaries, clerks, accountants, servants, workmen, experts, technical advisers, or other persons employed or to be employed in or in connection with the business of the Company.
- e) To appoint any person to be attorneys of the Company for such purpose and with such powers, authorities and discretions for such period and subject to such conditions as they may from time to time think fit and to revoke such power at pleasure.
- f) To enter into, carry rescind or vary all financial arrangements with any banks, persons and or corporations for, in connection with the Company's business and affairs and pursuant to be in connection with such arrangements to deposit, pledge. Hypothecate the property of the Company or the documents representing or relating to the same.
- g) To take and give receipt release, and other discharge for money payable to the Company, and for the claim and demands of the

Company and to draw, accent, endorse negotiable promissory notes, bills of exchange and instruments.

- h) To invest and deal with the money not immediately required for the purpose thereof upon such term and to such persons as may be thought expedient.
- To determine who shall be entitled to sign of the Company's behalf bills, cheques, notes receipts, acceptance, endorsements, release contract and documents.
- j) To enter into such negotiation and contracts and, rescind or rescind or vary all such contracts and execute and do all such acts, deeds and things in the name of the Company as they may consider expedient.
- k) To open accounts with any Dank or bankers or with any Company firm or individual, and to pay into and withdraw money from such accounts from time to time.
- I) To insure the property movable of the Company
- m) To give to any person employed by the Company a commission on the profits the Company of any particulars business or transaction of the Company.
- n) The institute combat, prosecute defend, compound, settle, compromise, adjust, refer to arbitration, abandon, any real proceeding by or against the Company or its officers or otherwise concerning the affairs or the Company.
- o) To make advances, deposits, or loans of any money of the Company for the business of the Company to such person upon such security or out as they may think fit, and generally to direct/ manager control receipts, custody employment, investment and expenditure of the money's and funds of the Company and the keeping of accounts of the Company.
- p) To appear for an on behalf of the Company in any court of justice, criminal civit or reveaue, before any execute judicial, municipal, revenue, police, postal, excise, transport, mome tax, or other offices in action or proceeding or matters in which the Company be interested to provide safeguard or defend its interests.
- q) To sign and verify plaints, written statements, petitions, compromise mukhtamameas namas, authorizing legal practilioner to act on behalf of the Company in all course cristic revenue.

We, the several persons, whose names and addresses are subscribed below, are desirous of being formed into a Company, under the Companies ordinance. 1984 in pursuance of this articles of association, and we respectively agree to take the number of shares in the capital of the Company opposite our respective name(s).

Name and Surname (present & former) in full (in block letters)	Father's/ Husband's Name in Full	Nationality with any former Nationality	Occupation	Residential Address in Full	Number of Shares taken by each Subscriber	Sign	
Mian Mohammad Ahsan	S/O Haji Naimatullah	Pakistan	Director Leeds Deen Garments (pvt) Ltd	65- Tippu Block, New Garden Town, Lahore	100		
Mr Javed Arshad Bhatti	S/O Mohammad Saleem Bhatti	Pakistan	-do-	5-B Sher Shah Block, New Garden Town, Lahore	100		
Mrs Shabnam Ahsan	W/O Mian M Absan	Pakistan	-do-	65- Tippu Block, New Garden Town, Lahore	100		
Mrs Shama JAved	W/O Javed Arshad Bhatti	Pakistan	-do-	5-B Sher Shah Block, New Garden Town, Lahore	100 Legistration C		
Dated the		lay of		inues * Compa		60 × 41	
Witness: Full Name:		0	Signature		nd Exchange Carrie	Ĭ	
Father's/Husband's	Full Name			******	•••••		
Full Address:		13		CERTIF ARAINTAT CUMAN		TRUE ({7120	10 17
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Load Distribution detail to BPCs

Net useful output of Power House installed at US Apparel and Textiles Pvt. Ltd. is 3.82 MWe. Out of which 1.72 MWe is being used internally and surplus power will be delivered to following BPCs on the as and when required basis (to cater both for prime and emergency requirement)

1.	Stylers International (A private Limited Company)	_1.2 MWe
2.	STYLERS PLUS (PVT.) LTD	0.30 MWe
3.	SB APPAREL (A private Limited Company)	0.30 MWe
4.	Advance Fashion (Pvt.) Limited	_0.30 MWe

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Chief Operating Officer

	Head Office
F +{	26-M, Gulberg - III, Lahore - Pakistan ! T I +92 42 358 69 721 - 24 92 42 358 32 528 +92 42 358 35 358
	Factory
20 Km, Off Fer	ozepur Road Glaxo town, Lahore - Pakistan T +92 42 359 50 591 - 94 F +92 42 354 57 350 - 58
	Deutschland

阑	 IF1+49421	643 7031
	www.usannaroland	textiles com







NIShtar Zone Metropolitan Corporation, Lahore

2-C-1, Tipu Chowk, Township Lahore Ph: 99262103, Fax: 99262105

From

To --- --

Zonal Officer (Infra), Nishtar Zone, Lahore.

US Apparel & Textile Pvt,-Unit No. 3, Lahore.

No. ZO (Infra)/17 Dated 12-3-2018

Subject: <u>ROAD CUT PERMISSION.</u>

Reference to the subject cited above.

It is intimated that the competent authority has accorded the permission as per your request for bore 60ft for laying of electricity wire from Gate No. 3 to Gate No. 7, Anam Road, Ferozpur Road, Lahore. So, you are hereby allowed to make road cuts subject to the below mentioned terms & conditions.

- 1. This office shall formally be informed of the programme of road cut for lying of lines / pipes.
- 2. The proper traffic arrangements including display of luminous cautions and directional boards at site shall be made & ensured by your till the completion of work.
- After road cut, the Malba at site should be removed within 24-hours at your own level & cost to avoid any hindrance in smooth flow of traffic.
- 4. Making of road cut any other road / area, other than your request will be un-tolerate able & charged separately.

Assistant Zonal Officer (Infra) Nisbfar Zone Lahore

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LAND DETAIL

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US-3	Status	Kanal	Marla	Sq. ft
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Land US-3 from Jabbar Sb		3	14	-
Land - United Apparel	125-2	19	2	-
Land - United Apparel		1	3	-
		48	14	

US-4	
Land-Anam	Marger

-	8	18
136	15	4
	4	5
		5
	1	44
	14	1
	16	
136	18	79
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- Sent & - Send ; المهور بالمنافق مور معمد المحمد والمالينة اطلعها Las بالمستشارين والمايسة ومعالي معالموالي the stay and the state of the contraction of the state of NAME OF IPit in صدو المزاليتي 2602/-Station (Bube) F Englad va Ansinal 211 reservent Treaseder. ... Ottlood Part of the sal sal of an water water thing took is what be میسه زخرافاروق بذراجه میاں و قارمحسن بالع تحصيل الم منافعة الماعة المد المن الواج العدم عرف الدور تتعمل تعليم الواري المالية على الما لل 40 فسلهد ملايار في وجعار عدوار والم المرا 1 10 - Start Start Start Land ìζ, W. 2 A. 1560,000 174-45-086174 277-50-412327 ا شناخت كننده میسر ز خرافاروق بذرابعه میان د قارمحسن بائع ^{الع}م ویونگ ملز بذرابعه راشد شیعب خان محد رايق بهني ولد عبد الرحيم بهني ماكن Particol Shoail no lisem يوحنا آباد شاب يين فيروز يورز والاد lig Blath. M.D

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نکه میسرز حرّا فاروق (یرائیوییٹ کمیٹڈ) بذریعہ میاں وقار محسن ولد میاں محمد ساکن A/90 سی ٹو گلبرگ ۱۱۱لاہور 'جو کہ یکقطعہ پلاٹ سکنی اراضی تعدادی پارچ کنال جار (5 K - 4 M) منجمله نمبران خسرہ 5K-0M)3272/164)سالم 4K-18M) 166 (4K-18M) كا حصبه منتقله 4/98 بقترر للمسر إل منارحه المحبوط میسرز تر افاروق بذر نیبه میاں و قار محسن بالع

CIANUM.ERF 2711/01 9:39 PM Page 3 -1.1) PAKISTAN



3 7 5 - 6 5 5 مندرجه کھتونی تمبران 701-719 مديست موضع دولو کلال تخصيل لاہور کینٹ ضلع لاہور مطابق جمعیندی سال 1989-90 فرد ملكيت جاري كرده حلقه پيواري رپیٹ تمبر 752 مور خہ 2001-02-01 و بحواليه انتفال نمبر ان 7346-7344 منظور شده مور خه 94-10-31 حدود محدود زل جانب مشرق النعم ويونك ملزجانب مغرب حرا فاروق میسر زخرافاروق بذریعه میاں و قاریحسن بائع

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خمسه وبلاجبر واكره رضا مندى خود بلاك مذكوره معه جمله حق وحقوق طاہری پاطنی اندرونی بیر ونی حن را بگزر در استہ پائے بالعوض مبلغ بند رہ لاکھ سائھ ہزار رو سیے -/Rs15,60,000 نصف جن کے مبلغ سات لاکھ اسی ہزاررویے -/Rs780,000 ہوتے ہیں بدست و تجق النعم وبونگ ملز کمیشد 0 2کلو میٹر فیروز بور روڈ لامور بذريعه چيف الكيزيكيو راشد شعيب خان بنیج فطعی اور فروخت دائمی کردیا ہے اور کلہم میسر زخر افاروق بذریعه میاں د قار محسن بانع

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ہر ی کے نام کروا کرد بینے کایابند ہو گا^{من} بھی محکمہ میں بلاٹ مذکورہ اپنے نام درج کرا وئے میر ایا میر ہے دار ثان باز گشت کا کوئی تعلق ب واسطہ نہ ہو گا اگر بلاٹ مذکورہ بر کوئی کسی قشم کے ركاري بإغير سركاري واجبات واجب الإدا بهوي تومن مقراز گرہ خود بر داشت کرے گایا آگر ہمار ی ملکبت میں کسی قشم کا نقص ہونے کی وجہ سے مشتری کے زرخمن کو کوئی نقصان پہنچے یا پلاٹ جزواً پا سالم مشتری کے قبضہ سے نگل جاوے تو ميسر زخرافاروني بذريعه ميان و قار^{محس}ن بائع

GRANDRUDDE COMUNESCUM MALEREE SILLE PAKISTAN



ميري ذات خاص و ديگر جائيداد ہر قشم بمعہ ہر جہ خرچہ بمطابق مار کیٹ ویلیو کے ادائیگی کی ذمہ دار ہوگ پلاٹ مذکورہ پر کوئی کسی قشم کا حکم امتناعی وغيره نه منه تمام اخراجات رجطري بذا مشتري نے از گرہ خود بر داشت کیے ہیں لہذا بیعنامہ پلاٹ تحرير كرديا - تاكه سند رب المرقوم مورخه 12-02-2001 منظور شاہین و ثیقہ نولیں ايوجنا آباد ساب مين فبروز يور رود لامور

میسر ز خرافار دق بذریعه میان د قار محسن بانع

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PARISTAN 2E3000254 - - - مشترق مين اللم ولذلك ملز مي زمين يساخ Ů/i - يتمال Tuitodus ?-(1) 15 is B -65-(3) ٢. 1102013 10 (4) 128-3 علی ولد یوسف علی قوم جنٹ سائن اثاری سر وب میں میاں جمد طارق **دیکھانی ولد اند جو مصلح س**اکن النعم ويونك ملز 20 كلوميٹر فير دز يورروڈ لا ہور JRU There are. ميسر زخرافاروق بذريعه ميان وتغار محسن بالنع Lim

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ار باریس ویور می اعل کمیتین مسئر () () از تکمیل لامور اسل کرلی میم که همازین عنها از تکمیل مانین فرداین وی حکی میم مستخط مرابع جامع وورد این کمیشرز مرید می در نگائی این اسلیا هستانی دارا ک

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وستناویز اقر ارنامه فروخت اراضی و وصولی تمامی قیمت فرین ون کفره می میر اقر ارنامه فروخت اراضی و وصولی تمامی قیمت ۲۰۱۰ میر از در میرد میرد میرد حرا فاروق (بائین) کمیشر - بذریعه دائریکشر میاں وقارمین ۲۰۱۳ میر میرد (درود ۱۱ دور) میشر ایرل (بائین) کمیشر 20 کلومیز نیروز پورود ۱۱ دور بذریعه چیزیین جادید ارشد مینی -ذیق دفتر، افریدر) - اونا کیشر ایرل (بائین) کمیشر 20 کلومیز نیروز پورود ۱۱ دور بذریعه چیزیین جادید ارشد مینی -

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سرن ول فاد فق لمر التو من لرق رو لمر مل عن قادمی MADIN FORMER MADIN FORMER MADIN FORMER MOVT. STAND HOLDOR Solowick LICE: MOVE STRICE: MOVE STRICE STRICE: MOVE STRICE سر ول فاد فا الله الله م هال المعادة المعامة المعاد ا یک میں کا دمجن ب بردل م رو



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میں۔ سلیمیں بیچ نامہ کرنے کے ملاوہ فریق دولم کے جملہ ہریہ کرچہ لفصان ادا کرنے کا پابلہ ہوگا۔ نہبر۲) یہ کہ کریٹی نیچ نامہ اراضی مذکور بالا بنام فریق دولم۔ بذمہ فریق دولم طے پایا ہے۔ ملیم نہبر۳) یہ کہ ملکیت مقبوفہ اراضی مذکور آج تک ہرفشم کے نقص منتقلی رہمن قبیع ہیہ زیر مقدمہ/ معاہدہ، تکم امتناع، وینے افتیار میتارنامہ عام/ خاص د حلمانت و ذکر کر/ قرق وغیرہ جملہ نقائص ے پاک ہے۔ برکس امر محفق برآید ، و یا قبضہ اراضی سالم/ جزوا فریق دولم ہے نگل جائے تو فریق اول مواخذہ دار ہونے تب علاوہ وصول شدہ قیمت کا ڈیل مدہ ہرچہ خرچہ عدالت فریق دولم ہے نگل جائے تو فریق اول مواخذہ دار ہونے اور نائم کی دیگر جائیداد ہرفتم منقولہ و غیر منقولہ و نیز ذات خاص منظرداً ومشتر کا کا ذمہ دار و پابلہ ہوگل لہذا یہ افرارنامہ فروخت اراضی وصولی قمامی قیمت تحریر کردیا ہے کہ سند رہے فقط (نوت) معمون ہذا فریقین نے پڑھ من تبخد کر درست تشلیم کیا ہے المرقوم 2000-13

مبسر زحرا فاروق (رائویت) کمیشگر بدراید دائر کمرمیان دقارس، کتابی اعد، غران ادل-HIRRA FAROOO'S LTD. MIAN WAQAH MOHSIN

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يونايكذرابيرل رويب لمينانيه فريل دبئمه بدریون^ی در بانه با بد اتبار ^{می}ل -CB1-===

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افرارنامه معامده فيع و وصولى زربيعانه

فريق اول، بانع ميسرز حرا فاروق (<u>رانوي) كم يشكر</u>- بذريعه دُائر يكثر ميان وقارمتن 35201-1549450-3 ولد میاں محمد حسین سائن A - O 9 بلاک II - C گلبرگ III لاہور۔ فریق دونم، خریدار ⁵سٹانگرز انٹرنیشنل (بائوین) کمیٹٹر 20- کلومیٹر فیروز پور روڈ لاہور۔ بذریعہ ڈانزیکٹر جاوید اقبال بھٹی۔ جو کہ فراق اول (میسرز حرا فاروق (مرا نیویٹ) لمینڈ بذراجہ ڈائز یکٹر میاں وقار ایسن) نے اپنی سالم اراضی برقیہ انيس كتال دوم في (19K, 2M) الأقدن لي 91 كتولي نبر 445 مندجة من الدامة 141) مالم، الأجون لي 98 حة ني أبر 466 مندجة طبر 272 أعتون لمبر (1K, 15M) كالمستنشقة 15/35 حسيق 15 مسك، لأكبوت نمبر 272 تحتون لمبر 673 مندين ، مسرنه 3865/142 (AK, 19M) برابم. معه جار دیواری دا قع حد بست موضع دولوخورد مختصیل لا بهور کینت صلع لا بهور . » أوت مكونت المرتبة عل بدايت فقي المدونية في دويت وجنراريا في بالأن لا دويتواليد متاويز في 765 أي في 1 حلوثير 1862 درنا مورديد 19<mark>94 - 19</mark>.1 وشات کار معدد تالب ، المشاري الله المراح الله المراحة كالله والمالي الله المعدي والاكذر معدجا دو يواري معدد تكري حقوق مرتس (مدنس قدر دائيون حتوق مرتبه لميانية موتق يرفريق اول كوماسل ويسترين الأنام المائن تتلكل بلواش شامل بين المناصرف الرابني . اللهاجا باليكا) الخمام وكمال: كاسودا نی تحت شرائط ایل تهم اد فریق دوئم سط بایا ہے شرائط طے شدہ باہمی مند رجہ ذیل کی ہر دوجانب لازمی یابند کی کی جائے گی۔ بدكة بين اول في اراض مذكور بالعوض فيمت مركع دوكروز الرسي لا كف يحضر بزاررويد =/2,38,75,000) (الرب [2] ی کنران اول نے قیت اراضی ندکور میں ہے مبلغ " پھتر لاکھ روپی =/75,00,000) بطور بيعانه يبينكى بذراجه رميد ذمل ازال فرايق دوتم وصول يا لبا سے اور قبطہ اراضی خالی بولت وصولی ڈربیعانہ فریق، ودیم کے حوالے کر دیا ہے۔ ايد كم^{زين} ال^{نم} بقايا تيت مبلغ أيك كرو**ز** تريسته لا ك**ه تجهتر بزارروييه =/1.63.75,000) به شراط زايمي** . 3 كانفرات و اجراءالمباراشتبار 25 يوم بعداندر وميادا يك ماه وفت يحيل رجل مي فريق اول كواداً مرفح كالإبند بوگا-یر کرخرینی ایک اسه (منابق از بن می نسب) بذ مدفرین دوئم طے پایا ہے۔ جبکہ فریش اول ترام داجات اپ کو ذیب کلیئرادا کرنے کا دیند ہوگا 4

بالح لا

تحمد الملكن اشتاع فرش نيو تاليماردو جوك المناريان تاريخ <u>20-70-28</u> نمبر شار<u>01</u> مالت اطل<u>ا مرون/م</u> المرابع م<u>تصور م</u>ودو في برامر سي مكت متر مرور در بدرايد متصور لعله برائ مرتب مي من مرور مرابع الموريا مركز مركز مسير من مرور مرابع 1-2-1-40. ~ ~ ~ ~ · ·

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المال قام الأرامة المارية المارية المالية من والمالية من والمالية من المالية من المالية المالية الما المدَّيةُ مِنْ الله الله بالمدرجة في كرب في أريز بالتجاركرين الوفريق والمُتَوَلَّمُكُ في الأكار ووالبذريف مدالت 6 ردینہ می جمیل ایکی مختص کرا ہے۔ اور مطلوبہ ہرجہ و خرجہ وغیرہ بتایا تیمت میں ت تجرا کے وصول پا لے۔ 🔁 - به الماند معديات الماني الدرينة وري كاللات (١٠) ميد رفتين المان الميترون (٢٠) ريد وشي درو آف داريد ورواله) الش كاردان تاديب روزناميد (ح) التنه شدونين ثجره + التل الملائب تته يشدوخه دنبير. (6) التل التلك نمبر 5112 – رقيدً يدره الل العارد مرت، 1) أن بزش بني صدقة سيلدن ٢٠) كارداني شاندي مذر حد يواري ١٠ تانولو + تقلُّى درداني، ٨٠) كليتركس بخولك و نیے والیہ جو بھی دنتہ کی ساجب سے درکار ہوئے کا استاخرینی وؤ مدداری مرفرین دوئم کولراہم کرنے کا یا ہند ہوگا۔ والیز افران اول سیلی رہے کی کہنے متعانہ کا ندانہ پر دینتی انگوٹھا شہت کرنے و متعلقہ دلتر میں ویش ہونے کا پابند ہوں گا۔ 🚺 که به از ان مارسه الله الله الطبق المادرة بن تلت مرتشم بالتقلي رامن الله مبديتان اقلب دمينت تعارك علوانت قراق درب مخاربا مديام س خاس، اللج من المحموا قبالي كي كي مصددا ري، الحكي رقبه، از مية ماجره او الزيو مقد مدكوتي غلط بياني وغييره جمله لفالص قالوني سے باك ہے۔ ینکس کولی ام^{طا}قی بر ۲۰۰۱ و از فراین ادل فوری طور برانیا کو**ک**ونتیس اندر معاد کمینز کرا کرد به گارانده در ینجی کی صورت میں دصول شدو در ^آبطاند کا 🗐 👘 به مواهد ندانی بدندی فریقین پرونیز الحکرار دن مابعد پر جنبه عائیداده به دوگیه کمبذایه اقرار به معامده این تحریکرد پر ب کو سند رہے۔ انظر (نوٹ) اسلمون بذا فریقین نے بڑھ من تجھ کر درستہ تشکیم یا دنیاں المرض، 6 0 0 2 - 7 - 8 2 میسرز²رافاروق<u>(رائزین)</u>گمایشتر بذریددائر تیزمیان دقارشن به ^{سنت}ین، تعه، فرق دول به : رسید : « بذرق دل به تلق تېچىز لاكورە يە =/75.00.000) بۇرىيەراس يۆك ئېم 0065304 مىردىنى 29-7-29 برېتىساللىز مەلىيىتە نوپۇردىن تاۋان برايتىك بور سالار يىيان میشی بازن ، بنی مذکوره با المراض ^{فر}اتی دوئم معدل مالنج چن به مدر میترخ مرکز **دی که مندر س**ه . الصول کنند و گان بالعد به

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FAROOG'S LTD.

مار در در ب^{ین}ه مارد آمان آنور .



رینے فرق مرد_____م<u>م 170000</u> واقع______ رقب_____ر<u>یے اکٹ کی کو میں</u> رجرى المت محصص 23 عبدالجبار (بالغ) • 72 Gin C. 35201-1694959-5 53 36401-1773883-5 Maple 02 28361 38 3 This Person for appointment of local Compussion five to 1700 to appear has been Presented by μ_{1} by the Through Mr. μ_{2} A d v g c z t e it to e r e g is t 1.10 registeres Advocate -As the applicant has replaced confidence in the Advocate by moving As the approach has reposed tontidence in the Advocate by moving this applicant through how, so the said council is appointed as Local Commission act through the first the Duty at said counsel is to verify the Identity of the facture from two witnesses in the Licelety as well as from NACTA record & he shall be excluded the first of the cosponsible for set mission in identity, the said counsel in the Licelety accordingly get the for act disclose in this presences & that of the social the the subject presence of the second and a second the second to the social the subject presence by the exercise and an exercise the second second the subject presence of the second second the second ويتتقاو يزهذ إلغرص رجسثري روبر pending before any court of law which he is required to verify the needed. The second party of our of law which he is required to verify the needed. The second party of the submitted record of this office after the needed. The second party of the submitted record of this office after the needed. The second party of the submitted record of this office after the needed. The second party of the submitted record of this office, with him 4 months, to have be a submitted record in the soft of the second party of the submitted record of this office, with him 4 months, to have be a submitted record of the soft of the soft of the second party of the submitted record of the soft of the soft of the second party of the submitted record of the soft of t وستاويز بذاي وتخداد ونثان اكوفوابات مير يدوير دشت كي ك Dais: Sub Registerest Ninium Third Lation-140000121616 شرائط ومشمول و تتاویز بذا کو بزده کر شکر او محبت د ستلویز میدهما جر فوكن فمبر 213 NIC.No.35201-1694959-5 Mabbai بذريعه ذائر يكثر محرصران بهحني شاخست كننده NIC.No.35202-2836138-3 35404 المر مكان سر مر ۲۹-۲۶ موسع منى لد تور 1 Photos

متله عبدالهجبار دلد جاجی کریم ساکن مکان نمبر 42-CCA محلّه فیز 5 ڈیفنس باؤسنگ اتھارٹی لا ہور کینٹ لا ہور کا ہوں بقائحی ہوش وحواس خسہ د ثبات عقل خود بلاا کرا دواجہار غیرے برضا ہ نایہ کی خو داقر ارکرنا ہوں اورتح برکر دیتا یوں جو کہ اراضی رقبہ تعدادی بارہ کنال نومر لے (12K-9N1) بتفصیل ذیل رقبہ تعدادی سات کنال پا کچ الے (K - 5 M) كھيوٹ نمبر 85 كھتونى نمبر 188 تا 04 K سالم كھانة قطعات 6 7 درقيہ تعدادى (2764K-17M) كامنتقله حصر 22625/12441825 رقبه ببقدر (7K-5M) ورقبه تعدادي بارچ كتال چارمریے (5K-4M) کھیوٹ نمبر 116 کھتونی نمبر 349 تا م<mark>383 س</mark>الم کھان**د قطعات 97رقبہ ل**عدادی (897K-12MI) كا منتقله حصبه 6750/4039200 رقبه بقدّر (1K-10MI) و کھیوٹ نمبر 282 کھٹونی نمبر 667 سالم كهاند قطعات 2 رقبه تعدادي (10K-10M) كامنتقله حصه 16650/47250 رقبه لفار (3K-14M) میزان کل رقبہ تعدادی (5K-4M) اس طرح کل رقبہ تعدادی (12K-9M) بروئے رجس حقداران زمين سال 2016-2015 داقع حد بست موضع ددلوخور دخصيل ما ذل ثاؤن ضلع لا ہورمملو کہ ومقبوضہ خود بردینے فرد مرتبہ پٹواری دیہ مور نہ 2017-66 04 ریٹ نمبر 1654 بلاشرا کت غیرے ہے کوئی دیگر تہیم یا شریک نه به اراضی مُرکوره بالاقمل از س مرتسم کی زیر باریوں د مه داریوں سابقیہ، رہن، بنج، مہیہ، تا دلہ، تقسیم، خاقگی تفتیم، قمر تی عدالت ، عنانت دغیرہ سے مبرادیا ک دصاف ۔ میں مقربا کع کوارامنی مذکورہ بالا دیج کرر نے کا مكمل حق والخذيار حاصل ي كوكي امر مانع ند ي البدامن مقر بالع في اراضي مذكوره بالا معد جميع حق وحفوق الدروني و بیروني داخلي د خارجي خاہري وباطني معد تن تغمير ربائش وآ سائش وحق راه گز رراسته آيد ورونت دغيره بالعوض مبلغ جار کر دوزشیس لا کق میں بزار روپے (=/Rs.4,23,30,000) نصف جنگ مبلغ دو کر دوڑ گیارہ لا کھ پنیسٹھ ہزارردیے (=/Rs.2,11,65,000) ہوتے ہیں بدست دیجق میسرزیو۔الیس ۔ اپیرل اینڈ شیسٹانگز (برائیوییٹ) کمبیٹر 26۔ ایم گلبرگ HII لاہور بذر **یعید ڈائز بیٹر محد**صدین بھٹی ولد جا و بدِ ارشند بهتری ساکن مکان نمبر D-19 ما ڈل ٹاؤن لا ہور (مشتری) ^بی قطعی وفروخت دائی کردی ہےا در تلہم زرش پیشگی سکہ رائج الدقت یا کستان روبر دگواہان حاشیہ دصول پالیا ہے اس طرح سے بقایا کوئی دام لینا بذمه مشترى موصوف ندر ہا ہے قبضه اراضى مبعید موقع پر حوالے مشترى موصوف كركے قابض ودخيل بناديا ہے

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اورا پنا قبضہ دوخل ہوشم اٹھالیا ہے اب مشتر می موصوف بمثل من مقربا کئ ما لک د قابض ہے جس طرح سے چاہے اراصنی مبعیہ کواپنے تصرف داستعال میں ا، وے ۔رہن نیچ 'ہبددغیرہ کرے' من مقربا کع واس کے دیگر دار ثان قائمقامان جانشینان وبازگشت کااراضی مبعیہ ہے سے کسی نئم کا کوئی تعلق یا واسطہ نداب ہےاور نہ دی آئسی ہوگا اور مشتر ی موصوف کو اس امر کا یقین دلا دیا ہے کہ اراضی مبعیہ قبل از یں ہوشم کے بار کفالت د تناز عات ا مقد مات سابقه رامن أيَّة ' مهبدُ دقف ْ وصيت ْ تبادلهُ تمليك قرق عدالت ْ صانت ْ حَاكَمَ تَقْسِمُ حَق مهرُ قرضه جات سرکاری وغیر سرکاری وغیرہ سے مبرا ویاک ہے اگر اراضی مبعیہ کسی قشم کے دعو کی داری یا بوجہ کسی فقص ملکیت واقعاتی یا قانونی جز دادکل قبضہ مشتر ی موصوف ۔۔۔نگل جائے یا زرشن کو کی قشم کا کوئی نقصان پینچے تو من مقربا تع بذر بعید ات خاص ددیگر جائیدا د برتشم ادائیگی زرشن واخرا جات تیج نا مدمعه برجه دخرچه موقع کی مار کیٹ ویلیو کے مطابق دوگناادا کرنے کا پابندوذ مددار ہونگاداخل خارج کاغذات متعلقہ محکمہ جات مال دسرکاروغیرہ میں مشتر ی موصوف کے نام کرادوں گا نیز مشتر کی موصوف کو بھی جن حاصل ہے کہ بیدنا مہ ہذا پیش کر کے اپنے نام واخل خارج کرالیوے اخراجات رجسٹری مشتر کی موصوف نے از گرہ خود بر داشت یحقے ہیں البذا بیعنا مدتجر سرکر دیا ہے تاكرسندر ب-اور بودت ضرورت كام آ و ... المرفوم موزخه 2017-16-16 نوب _ ارامنى مذكور دبالا يركونى عم المتناعى ندب - بروالد وزيتال از 3 0 3 ورغ 3 1/03 منطور مشكره و - 10/1/ will by 676 218 46 76 1 (10 11/18 Drafted By ی الکرم ایسوی اینس وللمسسين ورائيوندروذلا بهور گوالا میل ۲ ۲۱۷ م ۲۰۱۰ م ۲۰۰۶ ۲۶ 35/03-2207049-1 قمدلند عان وارقس مان مدا وتسر رادر کالی ۱۹ کلرم میر رز میر معد مانی -المعدار جرور في لي ماكن باملى في المعلى المرولة Valate ? عبدالجبار (بالع) NIC.No.35201-1694959-5

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in the state of the states the sector for the sector م الم الم المعالي المعالي 25 مستاها المي من 252 : م م عو الم ونستم على مالت عالت عالي در قو دورو تر و من المعاد 42 1. A torfor the wind and the second and the state way and my man u § 1 - cele commun 1,50061 -K-13-136 اراش 1,032500-0 239011.0 1 signal and a 25260.0 allow on いいしたらい 1 vail-Payment Harryh Bank Paynch No وربرم : DDP 0001734 9 : (9, 6, 8, 0) : + 9 : Enland datid 6.7.92 wie in kers aminting & Re 4210001 » يا الزراف الخ الون المود of union Gaule Led Eguton Rand Branch L WY di Lindan N 15:0 15 20 . فسيسري 12 لا مسترك كدهاري i julier lin 270-12-13841 3442.67 محدوما دز - in the w قان مردس دولو در

PAKISTAN 10.000 RS N THOUSAND R الافي ممكني لقداد فرج حاركمان متدرة مريك لمدينيسس مرس فسية. (361 - 15 - 4) مندره خسره نمرانية ۱/۱۶۱/۱۶۵۰ · __ ۱۶۵ کوبیرسی نمر ۲۵۹ کمتونی نمبر ۹۶ ۵ دارم در تشکیرین د دلو تورد کمتور دند کمتور كليم المرن البرد فياب سب تصغيرا ويهب لايور ومول يوك فتركم لتحقق المورست سيحق خال عايد وليرسيكمان قال قوم الأش سائن دولو فورو فيروزوه لاہور کا یوں توکہ ادامی سلتی تعداد کو جا رتبال تدر وہ محمد کم یہ کینیس مرک وست (557 - 15 - 4 مندر وخسره نمان 1/161/15/2867 · <u>160</u> · 16<u>0</u> مندر 204 مكترني نمر 690 <u>داق م</u>ست مرين ووكو وروسيل لارون من لادر مر معن الدر معدالان زمن سال 1988 م المالمية ومتبد من مرسب مدمن متركو جميشة مالك وتابن موسي الاي فدكور كومين وروفت المستنبك م مرور واختیا دارست ولال دستیر بین رور ادامن نداد افرون سلی بین ارای است کون اقتران س ينحقه المونس شتقي فال علير بالخ 51 / dec Curre 20 20 Gradie of UNU 28 . 2 Color 1200

VETHOUSAND RU

فالوق سقم مان وفرارتم انتعال نرسب ، بتل از بن اراحی ندکوره خسسه سسکه با رویدا فده و زقوالاست.

المنازعات شلار من وبرج سرم ووثت مالكيك يتساب وصبت مقانت وحق مير وقرق للالست

وغروس كالى ورما ادرميراس مند - مواك ان فتر مالى سعة لما من لاتى وارار والمر وتراست

المعتن فود ما حبروبر او منسب برضا در منبت فود اربق ندلور و بالارم من وتدق مرصعم من فق تقرف)

رالش ۱۱ ماس ر فترق داخل وخارى رظام مى وبالمن راندرونى وميدونى من ق دار در وفروليون مين جار لاكد

المجمع بن بست دلين النجم ولولك علم الم الم الم من رميزة من لافي 25 . في ثباك بلذا الرق

يدر مريد المرين فالركر مد فساري 20 بلوم فيروز فروز دود لا يور مي فطي و زودت دالمي زدس من بالي سب

كليم ورقت اران منتشري روبر ومحصم فبالمسبعة ويصفرور وتنبيب الامور وقول مالا) إن مال مستديما الافي هم وسيست

اراع الع من وقال اور تعبير الله الماسع بسبب الدر موتسر بر متستري كما قرار دافعی عمل في فل اور تعبير زوران 1 مرج -----

منحقوالمروشية منتقع فبال ^{عا}يم يا*ل*

PAKISTAN



منترى الافق مبتو كما دا در مالك فرنانس ماد شرائت غير سيست مجلب البن الافق متركوب وزوفت كر الكار الفاق المراجع المعالي مرتم كواست من وعمل القرف من كالد الرمسيني من ا من بالمركر رمن بالركب والمان بالأنتيت الإراعتن قري بالجبيدي كالأك الأمق سيسب كم يشتم كالولب المرز الم المريدي المترو يوط مدار من المريسية في تلكم تت المكان المقاق -العقبة الانى يتم جزرى باللي فروم فتقير مستشقرى لالو تستعلم حك حاد-تون بال مع ابن حسب) تداد منتول وفير منتول من واست عام مستقرى مومر من -لام رو والرقه اول داری زرین کا در دار ولی مستقد می در والی مستقد کی در ور ای مال وه ارابق مبتور او ممكال سي ندر عبر دستها دنه نيا المست قام مر منتقل العيب من بالع كوكونى مذردالغرام أرموط به حمله فراط مستنف مراسسة فخرر وتعمل من ما يرما مستقرى للمورث نتمتي فاريعاً يد يال

tate .

PAKISTAN SIXT نومرون مسبعها از از ۵ فود مرواشت مسبعه بری لغیرا بریما با مرفعی دوایمی نوب انتم و نونگه مسبط استید ۲۲ محرر و مرتبعه از از ۵ فود مرواشت مسبعه بری لغیرا بریما با مرفعی دوایمی نوب انتم و نونگه مسبط از مسبط ۲۰ محرر و مرتبعه از دیا ۳ ما کم مسبط انتخاص مسبط مسبط مسبط می از می از می از مربط انتخاص انتخاص انتخاص انتخاص انتخا منافق الموسية مسترقي فالسالية مالي

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دستاویز افرارنا مه فروخت اراضی و وصولی تمای قیمت جن ۱۰ شبتم احسن، ان شن چادید

فریق اول، فروخت کنندہ)- تح<mark>میار المحصار ک</mark>ے جمع کر المحصول کے NIC.NO.267-25-216189 ولد حاجی کریم ساکن 10/40 بلاک فبسر۲۰، حسین کوار نیو ها دُسنگ سوسانٹ، عالمگیر روڈ، کراچی حال دارد 65 ۔ نیپو بلاک، نیو کارڈن ٹاڈن، لاہور ۔۔۔۔ اور ۔۔۔۔ فریق دوئم، خریدار)- ۱) مشبغ احسن زدجہ میاں محد احسن ساکن 5۔ شیر شاہ بلاک، نیو گارڈن ٹاڈن، لاہور۔ ۲) مشتم جاویلہ زدجہ جادید ارشد بحش ساکنان 65۔ نیچو بلاک، نیو گارڈن ٹاڈن، لاہور۔

جو کے فرایق اول (عبدالبجار) نے بقائی ہوتن و حواس خود۔ اپنی ملیت و مغبوضا کی تطعه اراضی پلاے تمبر **6** برقبر ۲ شرحہ کمنال، پندرہ مریلے (8k, 15m) منجملہ خسرہ نمبر 156, 150, 16⁵ واقع موسومہ فیکسٹاک انڈسٹر میل اسلیٹ متصل کلیک و ٹاؤن، حد بہت موضع <u>ودولو خورد</u> : مخصیل لاہور کین وطلح لاہور بدر یون دری : بی شرق بات نبر 4 دیکر۔ یہ پایٹن ¹⁰-121، بی شرک ¹⁰-221، میں ¹⁰-221، بودے تکان وطلح میکن ¹⁰-2999ء بن شان درق ذین بی شرق بات نبر 4 دیکر۔ یہ پایٹن ¹⁰-221، موت کا مار معرف کیک وطلح مذہر میں رضار باقل اللہ میں دری : بی شرق بات نبر 4 دیکر۔ یہ پایٹن ¹⁰-221، مدی ¹⁰-211، بودے تکان مدہ مرد میکن ¹⁰-2999ء بن شان درق ذین بر بی ¹⁰-131، میں ¹⁰-142، میں ¹⁰-221، مدی ¹⁰-211، بودے تکان ¹⁰ مار میکن ¹⁰-2999ء میں مدین ¹¹ میں ¹¹ میں ¹¹ میں ¹¹ مار میکن ¹⁰-2010ء میں ¹¹ میں ¹¹ میں ¹¹ میں ¹¹ میں ¹¹ مار میکن ¹⁰-2010ء میں ¹¹ میں

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عام بنام فریق دوئم و ایک عددادین رجسزی تخریرو سیمیل کردی ہے۔ تاہم مزید کی دینخط نشان الکوشا و اصالتاً حاضری کی ضرورت لاحق ہوئی تو سنجیل تکمل کرا دینے کا پابند زمہ دار ہوگا۔ تاخیر/ لیت ولعل کی صورت میں فریق دونم کا تمام ہرجہ خرچہ فتسہ ن ادا کرنے کا پابند ہو گا۔ نمبر ۲) یہ کہ خرچ نیج نامہ ارامنی مذکور بالا از متعاظه محکمہ بنام فريق دوتم . بذمه فريق دوئم ط بايا منه . ختبه ان يح علاده ديكر تمام تر واجهات محكمه مال وغيره فريق ادل اب نو ڈیٹ کلیئر ادا کرنے کا پابند اذ مہ دار ہوگا۔ 🛠 نمبر۳) یہ کہ ابوجہ ادسولی انہا می مطالبہ قیمت اراضی ۔ · سیمیل معاہدہ بندا کے لینے فریق ادل اصالتا بذات خود بابند ہو گا و نیز فریق ادل کے دارثان و جانطینان مابعد بمنى بحبسه بايبند و اذمه دار ادول ترقي اول المشمول وارتائم تحميل معاجده لمراست الكار با الخراف ارنے کی مجاز نہ ہوگی۔ 🛠 نبر () بیر کہ ملکیت مغبوضہ ارائی ندکور آج تک ہرتم کے نقص منتقلی رائن الله سه از رمقدمهُ المحامدة، التلم المناعي، والمنذ العنها، المنارة مه مام) خاص عن المهر والعلامت الوذَّريُّ/ قرتی ولیرہ جملہ خالص ے یاک ہے۔ برتکس کوئی امر مخلی ، برآمد ہو یا قصلہ ارامندی سالم/ جزوا فران ددئم ے فکل جائے یا فریق ادل 🖓 تعلیٰ دستادیزات تیج نامہ/ مخارمامہ عام یابت اراضی 🖉 مسب منشاء کہام قریق دوئم سحیل نہ کرانے۔ تو فریق ادل بشول دارثان۔ مواخذہ دار ہونے کے علادہ فریق ددتم کی سالم قیمت و زر الا مت ہوتھم کا دو گنا مد مالیت معادضہ ترق و دیتیت پرایرنی مد ہرجہ خرید مدالت کی ادائیگی کے لئے فریق ادل کی دیگر جائیداد براشم منفوله و نیر منفوله و نیز ذات خاص منفردا و مشتر کا کا ذمه دار و پابند موگ به لهدا به اقرار نامہ فروخت اراضی و دصول تمامی قیت بخر پر کر دیا ہے کہ مند رہے فقط (نوٹ) مضمون بنیا فریقین نے يرْ ية من سمجه كر درست شليم كما ية المرقوم. 2002-8-8

<u>عبدالجبار - زين ادل -</u> Habba

جوئہ فریق اول نے بیلغ تینتا کیس لاکھ پھتر بزار روپیہ فضف وسط ملغ اکیس لاکھ ستاسی بزار پارٹچ سوروپیہ ہوتے بین نقذ ازاں() شیم احسن، ۲) <u>ٹرمع جاوی</u>ہ فریق دونتم بابت اراضی زکورہ بالا وصول پا کتے ہیں۔ بیہ رسید تحریر تر دی ہے کہ سند رہے نقط۔

1) شبنم احسن، ۲) سنمع جاديد - فريق «م-

Shima Javed.

في المرجع الجعار - متر وسول كندون فريق اول-

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10000- Three lice 1 mmetin 5038 12/09/06 5038 10004-01- 24 SALE DEED OF LAND MEASURING 19K, 2M SITUATED AT MOUZA DULLU KHURD TEHSIL CANTT. DISTRICT LAHORE. IN FAVOUR OF: UNITED APPERAL (PVT) LIMITED. ار المعرارات المراح ا واقع حدبست موضع **دولوخور د** يخصبل لا موركين يضلع لا محور AA 50 AA 5 فيسرز خرافاروق لونا ينشراج (پائويد) كميشر د ر بعدد ایر کینر میان دقار مس . ېذرىيە چېتر بين جادىدارشدىمتى -(شمېنى بازه، فروشت کننده) 🔞 خریدار، شمینی مشتری کې مىپنى با ئەيە مىچە العبد: سيسر زحرا فاروق (پراتيونت) لمويند بذ ربيدا انز يكثر سيان وقار محسن: HIARA FARCOO'S LED white begin MIAN WAQAR MOHSIN URECTOR

Valueis 4 Stev 5. Signalipre of the Permission حرافارون (رائون) کمپلیگر 195000 بذريجة التركيش بإن وقارمتن ما 10 HIRRA FAROOQ'S LTD. MIANWAOAHMOHSIN حرافاروق (رائین) لیپٹڈ جال حرافا روق لمیٹڈ بذریعہ دائر کیٹر میاں دقاد محسن۔ کمپنی با نعد۔ نے دستادیز بذا کی تحریر و تعمیل کا اقرار کیا اور مضمون دشرا نط مندرجہ دستاہ بز 1953 ندا کو پڑھ من سمجھ کر درست تشکیم کیا ادر سالم قیمت میل =/00,000,000 رو پدید میں ے مبلغ 5 7لاکھ روپیہ سابقہ وصولی کا اقرار کیا اور بقایا قیمت مبلغ = / 0 0 0 , 0 0 , 0 2 , 1 رويد بذريد كراس چيك نبر 8 1 1 1 0 - 0 C موردند 14-9-2006 - بربیند الفلاح لمديند فيروزيور رداز برايط لا دور رو برو المار ، الراب وستاديز فيع نامه بذا بغرض رجسرى روبرو لوكل تميشن ابونا یکٹڈ ایپرل (بیانیویٹ) کمیٹڈ بذراجہ چیئز مین جادید ارشد بھٹی ۔ خریدار ۔ مِشْر احمد مرا أيدود كيت لاجور أن مورد . 2006-9-15 بردر د صول پالی ہے۔ فریقین نے اپنے انتخط دنشان انگوٹھا ہمارے روبرو شبت کتے ہیں۔ بر منه المبارك إدقت 12/1 بيج دن منجانب ترا فاروق كميثله بذرائيه شاخت حرا فاروق لم يشله بذريعه ڈائر يكثر مياں وقارمحسن كمينى بائعہ لبذريعہ ذاتى شناختى اً ذائر يمثر ميان وقار محسن بارتع لاءور پيش ہوئی۔ 2,5 میاں بشارت ضاء -U! شاخت SUDC ن بشیرا تقرسرا ایڈ دو کیٹ حرافاروق(<u>رائع یے)</u>کمپیٹر يونا ئينٹرا بي<u>برل (رانتون) کم بيٹر - خريدار -</u> شاخبة كننده بذراجه فايبريتن جاويدار شدمتن -بد ر بدد ز آبند مین الارشن . NIC # 35201-1549456-3 LCR15 Shaint Ling. What LIU. MIAN WAQAR MORSIN مالنا بشميا وولا ورالار 100-97 بولين المشتنة، مسلم منبرا مراجع مراجع مرور كماسيل 35201- 1649926-3





ميسرد: ميسر زحرافاروق (رائوين) كميشر بذريعه دائر يكثر ميان وقارحن NIC # 35201-1549450-3 ولدمیان ترسین ساکن A-90 بلاک. III با برگ III لا بور. مجاز باختیار بروت ريزولوشن بورد آف دائريشر. : كمينى بالعه، فروخت كننده : جو كمه اراضى برقبه انيس كنال وو مرك (M) , I 9 K) بالنصيل جدول ذيل: کمير بن قمر تحققوني نمبر كنال مركے 1141 8 14 423 115 (18, 15) 3866/142 399 108 Q 15 ىدىنىتىقىلىدىغترد 5/35 مىسىر 19 3865/142 3 400 كل رقبه 19 02واقع مديست موضع : وولوشورد : مخصيل لاموركيت ضلع لامور.

وان حدیست شوع : **دونو کار کرد** : مسیس کا **جور کیشف ک** کا **مو** -مهاامد: میسرزنراناردن (برائیریٹ)^ایلنڈ بذر ایدة انریکترمیاں دقارتمسن

کمپنی با ئعہ

HIRRA FARDOO'S LTD. MIAN WAQAR MOHSIN URECTOR

h. c 108 · [53 115 checks 231 نم کعنو بی بر ختر ترکز 200 400 ۶. 1.00 J. () () () 3 a 5 - - -9 صرير باري المحرور الم 71.-19-11-2205 Ś ě ういう 2010 12 V بز ن 1.-22 4. .) Cr. • 5 સુર 2/2 6/2 000 12 کلمونی رقبہ مطابق حشہ ورعی پاس بے 2 × •).| -1 (2) -1 (2) " 9 4 (') 121 10-1 بالأشخالا لرمال د مر اثرال -<u>}_</u> - ,e ンシン (12,60,5) ٩ 3866 .) 147 Ó 5 141 ٠, ادرمیزان کیتون کانت کار ومحیو ملے ناک دتب وركسه زين كمصنينا 8 Ĩ, 21 1 2 *{ \$ 0 وسامل أعيامتى 21: 20 c 2 6 2 3 1 c 2 2 Ì. ه الم الم -`} الملكاني اليدوجه الموشرة الموارية 2 . 2 . 2 . 4. O.C. لاثتكار - \mathcal{C} Ł îk ∼∽ J The state 1. 3 7 1. 1. 20 4. 20 2 12 13 œ Ŋ 20.00 ĝ 1 2 2 3 20 い山村 2/2 0010 25 ۲. ارته XXX

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برو الفضل رجشر زمین حقداران مرتبه بنواری دیمه بلدا بحوالدر بت نمبر 3 مجربیه، 1.9.06 بنام میسرز حرافاروق (پرائیویٹ) کمیٹڈ۔ بلاشراکت دیگرے ملکیت مقدوضہ ہے۔ اس طرح اراضی مذکور میں تمینی پائعہ کے علادہ دیگر کوئی حصہ داریا عذر دار دغیرہ نہ ہے اور ملکیت اراضی مذکور آج تک ہوتھ کی منتقل رہن ہے ہیہ وغيره نتائص سے ياك دصاف ب سكيني باكته ارامني مذكوره بالا بدست كميني خريدار ذيل فمروضت کرنا اور کمپنی خریدار ذیل خریدنا جامتی ہے۔ جس کی فروخت میں کوئی امر مانع / رکاوٹ نہ ہے۔ پس ممینی بالعه ﴿ ميسرزحرا فاروق (يرائيويت) لميند بذريعه ذائرَ يكثر مياں وقار محسن ﴾ نے بقائی ہوش و حواس خود۔ بلا جر و خوف و گرے۔ سی اراضی برقبہ 19 کنال 2مرلے واقع حدبست موضع : دولوخورد : تحصيل لا بوركين صلع لا بور معهدي راه گذرمعه دي حقوق آيپاش کھال معہ در ختان معہ ديگرين حقوق داخلي وخارجي/ ظاهری و باطنی هرفتم متعلقه و وابسته مزا (معدحق حقوق رقبه قبضه موقع بریمچنی با بعد کو حاصل وميسريين وه تما م أيَّ بذا مين شامل بين جس تمام كو: اراضي: كها جاييكا) تمام وكمال: بالعوض مبلغ ايك كردر بچانوت لاكه رويد =/1,95,00,000) بدست و بحق: A lin (unity) Col Ling lig A 20- کلومیٹر فیروز پورروڈ لاہور۔ بذریعیہ چیتر مین جاویدار شد بھٹی۔ (خریدار، سمینی مشتری)

(العهز: میسر زحرافارد ق(پرائیویٹ)^لمیٹلہ بڈرید ڈائریکٹر میاں دفارتس: مسلحی پائیہ ک HIRRA FARDOO'S TTD. WAQAR MOP UREC



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فدهه داری شود بدار تا رز رجزی کر بعد تماستر وا دیمات متعاقد اراض مجنی ترید ارا بی بابت خداداد ایما کر می و تری رجزی ای تا مدید مد کمبنی ترید ار طح پایا ہے۔ فسو المنص ا فد صعه دداری تحصصید فن با المنصه ت نر استر اراضی از متعاقد تک مال وغیره بنا م ترید ارین : کس رکادت یا اعتر اض کی صورت میں کمبنی با کند داتی طور پر تعمیل تر السفر بنا م کمبنی ترید ار کراد یع کی پابند ذ مدوار موی و است تاریخ رجنری تک : تر استر داراین از متعاقد تک مال و غیره بنا م ترید اریل و یع کی پابند ذ مدوار موی و است تاریخ رجنری تک : تر استر دارین تری تر میل تر السفر بنا م کمبنی ترید ار کراد یع کی پابند ذ مدوار با بت اراضی صورت میں کمبنی با کند داتی طور پر تعمیل تر السفر بنا م کمبنی ترید ار کراد یع کی پابند ذ مدوار موی و است تاریخ رجنری تک : تر ماستر داریات مرضم کا منتی کران تر کران کو دست و کار پوریش و غیره با بت اراضی صورت میں کمبنی پا کند موتی با کرد کران تین مید نی کمبنی ترید ار کو و مین و نیا با بت اراضی صورت میں مرد کرادا مینی با کند مرکمی با کند میں کمبنی با کند و کمبنی دادیا با مناس موجد کی ادا مینی بند مرکمی پا کند موتی که بینی دان کتر مید و میند کی در محمد از او نی م است اراضی موجد کی ادا مینی با مرکمی می مینی دادین کتر مید مید کمبنی با کرد می داری و مید مید دادیا مام این من می محمد می ادار می مد کرد مینی با کند مراح و در معتد مد و ناد بندگی دفیره مید از با کرد مام این من می مور این می مراح این از در معاہد و در معتد مد و ناد بندگی دفیره مید از او نی مرحم کو بی امراز می این می ایم این در در ماند و در ایک مینی با تر مید و ناد مید کری و میند می در این می دو میند می در این می در این مرا می در میند می در این می ایم این در در ایک می می در میدار تر و دیند مید و در مینی بار می دارم در می در می در در می در در می در در می در می در در این در می در در می در می در می در می در می در در می در در می در در می در می در می در می در می در در می می می در می در در می در می در می درم در می د

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0 5 MAR 20527 SK PAR 1. 22.2 And par good had a good and a good and a good the sugar a few of the state of the state I have a few of the state (And MER A 1167 19/4/2 1 . No. de by when yes 2-1-02 las an qui provision 2



سان مخمراشفاق وار میان مار ولد حاچی کریم ، سآن _<u>01</u> ملاً هادسنگر برد کریم ، سالمگررود ، کراچی ـ 800 لمجلالتنقاق **دار میان محرّباغ علی** ستن سیددلّاً، مذله عليرا اورد فادبر محترارنا ميلا ربا 27031 برار مراسط ماغل مادن النبي (388، برستېرو مرقرم بېچها ، کدواله است است. دلد اندرخان مستنبیتر مې دلد سیجا د اجان م المحامنين in the ولد مصرين الحرر لمفتن كسيسران بهما ول خان القوام المجبوب ، سأكتمان توسين سنيدرا في م ى لايوركى لايوركى

(بالكا ذرك)



(3)

حابنية يستع فلمتزار يعاهم سرب ... ادر مرد شكر يختفاد نبر فستنار ما مدخاص بحة ندا د تبرين ا . 2685 . مي منبراها , حليه منيم , 367 ، تعشير موضى في 4 ، لعدالت منابعيه مسيجو شرار من الماكن لا المرام ، مستى بروند عابد ولد نوسان ، ساتن 815 /جر . فسيجانكيم ماذلان لامررى حابنه ستخترا رخاص مورب مبتدستي بيرور نبيطين ولد نوص ندكر. مدد فروستادي مختمان وابرم متنا ديم ميتر اه 69 ، بهي مستورا مدينة (183) ترستبردُ مرزش ⁶⁰م، العدالسنة خرار بسب تصفيرار مترمة، ماكول تراركون الارم مستمبار شركفب والخدام *راجويت* لورمال يسلى فكركسيسون تجراب دين ... it is all in ساکنان موضع متبرر بسار محتف الأبور کمنت کی ط بوكرار ينطعه إلافحا ، فوزه بلاك سمسر كي وا 2. - " الأشر خير زيدر رواد الامور ، الامني للداري آ تحص كتما المراجع 1-10 -11 5 1.87 . 416 . مندر حر طفتون مسترال 16 . 285 89-89 ، مرد في فرد تعليست، وسط متسارير ، يغيروان حليت مصنع وواف وروسمنيه ال

لحكاشفاق

منان ۲۰ مطال فترامیام و مترارخاص ۲۰۶۰ [مارین (بابط ندکه)

PAKISTAN 10,000 RS N THOUSAND RUP (1+, + + +)

(F) ينويب بار من ⁸لا ک^ی 299 بالکتی م شبتیرس وارسحادل مناس - منتر سلطان وارفضه دین تحصیر *مرا*مر بن لام مي د یها داخان شعبه ترکر مرتک شفته در شیسه دو زندگی فمريظه بالر (617) لورخما 18/12-6 113 حبراع دي 1789 قوم تدهيريت، مساكنان توصع حبيدريسة بمحنيس لاتورك م - ا، ر*ا*ر ا من بین تعرف بن مونودسف ، میرما رو لمعالت امزنانونى يا د دفاتى مانى بن م الاي ندكده كوري ، رين ، مدير المي يى وتكرطرن ينس بتل مريبة يم عمله حنوف من مقرك المجتبَّة ت تخترا يُنام (رزمجيتييت مختا واصحت مال ارتشبري ...سواب بن مقرف الاى نهادره مدرقوق طاميي نوار چې - طام کړی د باطق - سکتن د *است*غلی - ب^التنی و تنبه می تد جن *رکت*ر ايتبائمي رس د موري شد فرد ، ماركس جبرواكرا، موجنتي در موما مذرقي فرد، كالد في ف سية الحمد لد مديس بر محمد B co and المفت تنبيس عباد لا مدد بي مر مر مر ا يختي مدست متن سيل تجميار ولد ساجي كريم سان 10 مدينة

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E THOUSAND RUP

G 3 سمسين كرابير يردر تناسب سيساليكى , عمالمكير رود كرامي ، سيجة طويد فدوجت <u>حالی کو عام م</u>ستهم پرینن تدک<u>د به مالا را بد</u>ن اقدیقی تیسکری میترام ترا ، <u>ادم بر</u> سمبار سبب برسندر رمین مالی ناط ن *لایرو و* ما م ذوم ویول مود تکا . اسطرت مد مدست زود که المجدودين ، رقابابهتي رسيما فلمبر الاجى مديد راد والم القرار والدين ، مرفع برميستترى يركور كوديديا - ان در الما درمة مالكاند تطلى و البرى طور سيرا عدالديا عد سايست ترى يَرُور الداري مبين مذكره بهر خالات الدريش ترتبل علم الدر استصليط فخف ما فعالم، ينس بالمكان فتركد ، ماس اربيت مرسي في استقرار بنستهر كا فترويس طرين والمع الطقا مهیمه فهروره سو الم ینه عل دفن و لفرف فترشه می لارسه ، بسیم ، دسی، هربر کمر سو التی تشکیر شام ا يستقر أجر عا تحديسه طرت ويا ٢٠ مستقيد مرد - ٢ - من مالى و مالكان يذكر ما سال و دار نمان بألبشت س سيتم في فتري بالبسيري تا تولى تغلق إدر كتوجه والسطراراني مسده زوره سورين الم مرارر تري آمنده سجى سرحا - خستهرى زرور لو ليقدي سايل دار دياً المباسطة له الاي المبير (ركوره قبل إرمي ترسم كى ترسر باريون ، عدرواريون ادر التفالتون بيسيبره نتهكد لرسيم، رس ، صومه، شماريك ، منتهك ، قد في ، وكمري مالات وصنيت، وفف ، حكم المنتاعي أروحن ميردسيبره مهمة منارمان دمينهرهسته بك

ميان لحيراشفاق

Chy and in

PAKISTAN SEE THOUSAND R ادر صاحب - ٢ - أكر تحريم برايا مع خلاف كونى المر تاسب ويكر يألمني نا نونى لعال كم ماعت .(لاحی میبیدر نداورد ، منشقه بی زرک کی متصنه ، عمل دیش فلوت سے رتباع و سے منتظم فدوس وربيج ولفضمان يبتج ، أوف بالم بششرى تدوك ما مرجر ، خرص فقر م دسنبره جملولفضات كالدانسيكي عا تدرست مامي مورد كريرها بداد متقدكه وغير مقوله ت ومددار مرابعًا مستنها وركد ومن حال من مدم حافري مالكور ومنها مربعا يسيني سيم المتلح المتلي كاغذات من الدرامة انتخال المينية مراوالبه ، كولى عدر ترتيج ملهم خرجه تحسليني ميذيا مرتعل ومتستنرى مداريت تحدوسها فسو سالم البنا مبتنيا مرتعا مخدتي مر وبالم يستدر عدفة أن وفر 8-11 2 1992 مالية سال مخملاتتفاق S/Las ا منادسام و منتار خاص جرالی ندار) (بشتة بي ندلو سين فيداعن ashfac CAPE مبال می از اد ولد میاں باغ علی ۵ - بیری دلا ، سیاں باد شخص ادم ب کومیتم دونین استندیک آلیجنسی، ۵۶ ستمان چهرونه بود دونه کارمی M. Rafig-Blath-

>- 3-92 27633 271 112 ... ي شريع بين الم بالالا وترجيل المرقعو • 6,2 13.5 . . فاستطلق المبتية L_{1} 2. 2 Å 5 t and f from short sit to an interfer 2 the da Loand C 13/99 ď Nº 132 4 6 war and a second 142 1 2-31/1900 ---- of the also along grand rates An of the state states, enough 41 ()


دستاو بربر مختارنا مهرعام بابت، اراضی بخق: ۱) شبم احن، ۲) من جادید

جو کہ ایمن مقر (عبدالجبار) نے بقائم ہوئں وحواس خور۔ این ملکیت و مقبوضہ اراضی پلاے کمبر **6** برقبہ آٹھ کنال، بندرہ مریب (8k, 15m) منجملہ خسر ہ نمبر 156, 150, 150 واقع 👘 موسومہ نیکٹائل انڈسٹر مل اسٹیٹ متصل كليكسو ثاؤن، حد بست موضع : دولوخورد : تخصيل لا موركينت وصلع لا مور بدوداربيدو يانش درج ذيل: ٢٠ شرق بالمان نمبر 4 ديكريم. به يانش " 6 - ' 323 - الله مغرب: بلات نمبر 8 ديكرين. به ياش "6- 299- ** ثال: ترد في فريمن - به بيانش "0- 130- ** جنوب: مرك "50 فت كشاده - به بيانش "0- 125-بروئے فتا تامد روسوری شدہ سب روسرار ماڈل ٹاؤن اور بحوالد دستادیز تمبر 2391 میں ممبر 1 جلد تمبر 1429 درج ، رویہ 1992 -3- 17 و بروے انتثال بحوالہ نمبر 4605 منظور شد د موریہ 1992 -3-31 یا م من مقرب معید حق **راہ گذ**ر مدين حقوق آبها ثني معددوت بينه كهال كلهُ كعربل وغيره معدد يكرحن حقوق برتسم متعاضه بذا (🚓 آ طم مضمون بذا تیر : ارامندی : کہا ولکھا جائے گا) تمام د کمال: کی بابت مساتان ا) شین<u>تم احسن</u> زوجہ میاں محد احسن ساکن 5۔ شیر شاه بلاك، يو كارون تاذين الدور. ٢) شم جاديد زوجه جاديد ارشد من ساكتان 65 في بلاك، نو كارون تادن، لاہور۔ کو مشتر کہ طور پر مخارعام مقرر کیا ہیں۔ کہ مختارعام اراضی مذکور کی بابت ہمکہ انظام الصرام کر میں۔ من من متلك مركار في مركار فالحك، الأرار، التي كونسك الميلا تؤكرة بدينو بالتسلك موساكل لملاتير - الي ذكل ال- الميري المل تك لتانس نمير) ٢, يوينن علل كولول، داية - داسان لكي لون! بال يؤارئ علسكي تعني الجسار ايند فيكسيش أتم لكرم ديلاه لكس ، تشوع زين تمشو وتحصيلدارا تعانه بوليس و كجبري تھی ۔ اشخاص دلجہ و بے محاد تا 🕺 برتھی خود لط دیتا ہے اس بی ہے جواب وہ تاریں یہ محال کو کو تل معد تہ نیز مصد تہ از متعلقہ مجاز المسر کو کرک سے حاص کو کریں۔ · المتأريج مدالت باب البادل ۲ البالي ((المرَّت كوزب، ^{- معي}ش كور^نس، بالي كوانس، ميريم كورب) المير كولي الولي ((كلاميش دويني أطيرو) وجواب دادی تظریانی کرانی اجیارا و رت چلیش مدامت مالید و سپر کم ورت دانتر سرین - مختار تا به تخطی خود کونی نوع در شواست متجاعب ممن مقتر دیرین - در شواست با یے ہمد کسم و جوابات این دینلا سے مثیر کریں۔ کوئی مان سکن ویں۔ کوئی تحویری و زبانی بیان دیں۔ دوستاویزی شہادت کویں کریں۔ گواہان پر جرح AJabba)

فأألقد سعود الجبار

0 5 MAR 2007 1) . . F. Q.R. HALIM ंः ς Τ كۆتەربربولاپانى گىسى 4. 11:43 3 J.d. 1000/2 . يشين إحاد مطا المعيمة بالرماء في الع ANYU DU ATON 4244 47Aabb 5/3/200 The listies plu-Jev - 16-3-200 1 W. hours 10 × 10-15 a little - india (لاتف المع فتالي) - مواوير in a (2,(Habba Al-abriler? مرز المداني ولرم الم مرز المداني 1000 مين ممزاً با درمريم 267-25-216181 Shama Javeel

منله عبدالهجبار ولدجاجي كريم ساكن مكان نمبر CCA-42 محلّه فيز 5 د يفنس باؤسنَّك الفار في لا بوركينت لا بوركا ہوں بقائمی ہوش وحواس خسبہ د ثبات عقل خود با؛ اکراہ وا جبار غیر ہے برضا، بندی خو دا قرار کر تا ہوں اورتح مرکر دیتا ہوں جو کہ اراضی رقبہ تعدادی بارہ کنال او مرلے (12K-9M1) بتفصیل ذیل رقبہ تعدادی سات کنال پایچ لے (K - 5 M) کھیوٹ نمبر 85 کھتونی نمبر 88 1 تا 04 سالم کھاند قطعات 6 7 3 رقبہ تعدادی (2764K-17M) كامنتقله حسر 22625/12441825 رتبه بقدر (7K-5M) ورقبه تعدادي بالحج كنال جارمر لے (5K-4M) کھیدٹ نمبر 116 کھتونی نمبر 349 تا 83 ق سالم کھاند قطعات 97رقبہ تعدادی (897K-12M) كا منتقله حصه (6750/4039200 رتبه بقدر (1K-10NI) وكليوث نمبر 282 كلنوني نمبر 667 سالم كهانة قطعات 2 رقبه تعدادي (10K-10M) كامنتقله حصبه 16650/47250 رقبه بقدر (3K-14M) میزان کل رقبه تعدادی (5K-4M) اس طرح کل رقبه تعدادی (12K-9M) برویے رجسٹر حقداران زيين سال 2016-2015 داقع حد بست موضع ددلد خور دخصيل ما ذل قاؤن صلح لا بهور مملوكه ومتبوضه خود برویخ فرد مرتبه پٹواری دیم بہ مور نہ 2017-60 و03 رپٹ تمبر 1654 بلاشرا کہتا غیرے ہے کوئی دیگر مہیم یا شریک نه ب اراضی ندکوره بالاقبل از می مرتشم کی زمیر باریون د مه داریون سابقه، رمین ، نیچ ، مهد، سادله، تقسیم، خاتگی تقتیم، قرتی عدالت، منانت دغیرہ سے مبرادیا ک دصاف ہے من مقربا کع کواراضی بذکور ہالا اپنج کرنے کا مكمل حق داختيار حاصل بيكوني امر مانع ندب البذامن مقرباتع في اراضي مذكوره بالا معد جميع حق وحقوق اندرونی و بیرونی داخلی و خارجی ظاہری و باطنی معدحن تغمیر ر مائش و آسائش وحق بناہ گز دراسته آ مدورفت دغیرہ بالعوض مبلغ جا ركر دونيس لا كانيس بزاررد يه (=/Rs.4,23,30,000) نصف شيئي مبلغ دوكر دور كرباره لا كار پنیسٹھ ہزارروپے (=/Rs.2,11,65,000) ہوتے ہیں بدست دبحق میسرزیو۔ الیس ۔ اپیرل اینڈ شیکسٹائلز (برائیویٹ) کمیٹڈ 26۔ ایم گابرگ III لاہور بذر ایچہ ڈائر بیکٹر **محد صدیق بھٹی ول**د جاوید ارشند به می ساکن مکان نسر D-۱۹ ماذل تاؤن لا به در (مشتری) بی قطعی دفر و خست دائی کردی یه ادر تلہم زرش پیڈی سکہ رائج الوقت یا کتان رو ہرو گواہان حاشیہ وصول پالیا ہے اس طرح سے بقایا کوئی دام لینا ابذمه مشترى موصوف ندر باب قبصنه ادامنى مبعيد موقع پر حوال المشترى موصوف كرك قابض ودخيل بناديا ب

ميدالمجار (بالغ) ميدالمجار (بالغ) NIC.No.35201-1694959-5 197 C.bloch

CRO II _____ ا میں در بال بر آن اور میں بر آن اور میں an the state of th Sugar Gura 12 منير |----| ----No Contrary -, į. я ; З $\alpha^{\mu} \Gamma^{h} \sim 2 \gamma F$ 4 10 - 20 - 10 - 20 - 20 - 20 - 10 ÷ 1 illing يا يُ お成め 41755 そ15755 17 (Ö) 17 (Ö) ر با ریا راحها دلر نه مال يون. حارة فور الإيسر م وبار ومانا فقل فالمعان م رسوسات بالقل وت و مس 4 71)-1 وري ترجي الج 6 ا (در یادر ۱ (<u>گر</u> ۱ (گر Best Croy HALL WITH LETROPULTAN CORPORATION LAHORS 10.08 รัฐกลณาร์ ราช เปล่ ซองฐานสงวา By where tennoted here A/C No.- CD - 0135250013 CHALLAN OF CASH INTO BANK / TREASULT To be search in the same of the hole sub-module of entrand as were present and and the property. Tax on Transfer of Immovable Property. Head of Account TF (Note Detailed Details THE REAL PLANE Vame o Burk, BOP Township Stench Sating of Seni aver parter in normal save #5233# 1 11 N. 18 14 14 14 104 SCHEDULE 5 doness of a perior or whose mode 20 Signature of Bank Officials) | / من من しょうつき ビックロ 0.11 537 N. A. N. S. W.S. 10-12 U ale 3 ÿ

ا ادرا پنا قبصنه دوخل برتسما نصالیا ہےاب مشتر می موصوف بمثل من مقربا کنع ما لک د قابض ہےجس طرح سے جاہے اراصنی مبعیہ کواپنے تصرف داستعال میں اا دے ۔ رہن نیچ مہدوغیرہ کرے من مقربا کع داس کے دیگر دار ثان ِ قَاسَمَقَامان جانشینان دبازگشت کاارامنی مبعیہ ہے کسی قسم کا کو کُنخلق یا داسطہ نیاب ہےاور نہ ہی آئندہ کہ ہوگا اور مشتری موصوف کو اس امر کا یقین دلا دیا ہے کہ اراضی مبعیہ قبل از یں ہرتنم کے بار کفالت د تناز عات مقد مات سابقه ربمن أييخ مهدًوقف وصيت ُتادلهُ تمليك قرقى عدالت ُصانت ُ خاتكَي تُنسيمُ حقّ مهرُ قرضه جات سرکاری د غیر سرکاری وغیرہ سے مبرا دیا ک ہے اگر اراضی مہدیہ کسی قشم کے دعویٰ داری یا بوجہ کسی نقص ملکیت واقعاتی یا قانونی جز دادکل قبصنه شتر ی موصوف ہے نکل جائے یا زرشن کو کس متم کا کوئی نفصان سینچے تو من مقربا کع بذر بعدذات خاص ددیگر جائنداد برشم ادائیگی زرشن داخراجات تی نامدمعه برجه وخرچه موقع کی مار کیٹ ویلیو کے مطابق دو گناادا کرنے کا پابندو د مددار ہوتگا داخل خارج کاغذات متعلقہ محکمہ جامت مال دسرکاروغیرہ میں مشتری موصوف کے نام کرادوں گا نیز مشتر می موصوف کوبھی حق حاصل ہے کہ بیعنا مہ بندا پیش کر کے اپنے نام داخل خارج کرالیوے اخراجات رجسٹری مشتری موصوف نے ازگرہ خود ہرداشت کئے ہیں لہندا ہیدنا مہتح مرکر دیا ہے تاكر سندر باور بوتت ضرورت كام آو ... المرقوم مورند 2017-06-16 نوٹ - اراضی ذکور مبالا پرکوئی عم انتناعی ند ب- جوالد دندتال بند 30 مرم 31 مرم 31 مرد ال - 10/1/ will 05/08 (19 46 78 1 Stan 10/18. Drafted By ب الكرم ایسوسی ایٹس سيقيدرا تونذروذلا جور 35763-2207049-1 35200-23012-19-7 فحمدلأنسن طان ولدفهراتم حان المحدار مجاول فتركيت ساكن عدا وسير اردر كالعنا الاللو ت ملى لي لي القول الأولا Muth is ENE 224 [199] Vacan Pr

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:1679 [1, 3]PAKISTAN 10,000 RS. THOUSAND RU Contractor: Vovenble & Implovable Fig. cr.y Tax No Date Zila Completizione Zila Completizione Rs 4, 21,000 25/B قو المورفت شيخة خان عابَد ولدسسايمان فان قوم الأين سماكت دولو نورو فشروزلو رومة لامور -لمبر مالح '9 Ç 1 5 60 3 apple aller 1

ب ب و المرد ما المرد الله الله المالية المالية من المراجع المرد ا 42 and any any a. \$ 1 دولو کو نست 1032 Sow -0 اراش 239011.0 18. N Epploy 25260 . Hours on NU U Beer Payment Hangh Bank Paynde No سب فلي: : 21.23 DDP 0001734 6,620,00 dated 6.7.92 amenting & 12: 42,000 | If union Banke Led F Eguton Rad Dranch LINA بالالار، الخير الون لا يود di Liole N 150 12 204 مری " الله مرزا ميرالي مسترك كدهاري 270-12-13841 22-259620 محرصار in the دلن «براو فرر

PAKISTAN

10,000 RS



ارامی مکتی لقدادی م حارمال مندر ۱۸ مر مدور میس مرکز نورد. (SFT - 15 - 4) مندره خسره نیر از به ۱/۱۵۱/۱۶۱ · ____ ۱۵۵ کمبیرست نمر 204 کمتر () نمر ۹۶ ۵ دان میشند نومنی در لو تورد مشل وتسل لام معد كليم از قرن (رسروسة فها بمسينة المستغير ار ويجسب لامور ومول سوك معد» من ترجيع المعرومة المعرومة المنطق خال عايد ولد سليمان قال قوم الأس سائق دونو تورو فيرور ور لاہور کا یون ثولہ الاقی سیکتی تقداد کرے جا رتعالی منیور وہ مکھد کمبیشیس مرکبا فیٹ (136 – 15 – 4 4- 4 مندرو مرو ازان 1/161/16 206 - 160 6 مروست الم 204 مار 690 مار 690 دار 690 مروست مرضى ووكو كور ومحصل لا در الم من الادر برد عن المر معد الان ومن مال 1988 م ملكدت ومغير فتر من مترسبت . من متركو جيتر ... مالك وتالين مو شيم الاحل خدكور مرم <u>در وفت الرس</u>نيك كم فترق داختيا دامت قال ومتسرين ، يوكر ادافي فرادر الغرض سلتي بيع ارى بي مادى القال ب 5) Vder Curre 222 المعتق الموتسين فالطابع مالغ and of UNO regeneration روميهم 1.9

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فالول سنتم مان وفراجم انتعال از سب من وزین ارامتی ندکوره قرم سه مک یا رویدا فترو و انتقالاست. ف بازمات شلارين بريع سرم ووثت ساغلبك المتساك ومقدت وخايت وحقار فأراب وغروست ماک در ادرمیزاسیت - موان ان فرمان سمعت الما می از ار وارد مال ا الموس فروطا مبردار او نسب مد مرضا در منبت فود ارامن ندكور و بالا رق من د تدوّن مراستم رس من تقريب د الن ١٠ مانس ز مترق دانلى دفارى ر ظاہرى دىلانى ماندرونى دىمرونى را مرز د فرولبونى مرين جار لاك سيرة بن بهت دنون العجم ولويك مل طب العظم ومنه والم الم المالين 25. في تكماك بلاالين بدو مراس دار طرف فساری 20 بلوم فسرو زور دو لا مور سا فطی و زود دان ادر من مان باز سب ملى زرقن اران مت قرال روبرويمة فيا مسينة رك لأور ويتحد الأمور وقول بالا) عن باري من الرقي موسيس آ زماعل محل و^ون اور تعبر الله الماسيسة الدر توقير مرستستري كما قرار دافعي عول فرقل الدرتية تراديا كم المرج مستعمد متروية المروسية مترود والمالية المرامين

PAKISTAN



مشترى الامن مبتوسما دا در مالك ويانس الد شرائت غير مست مح ولد الدين متركوس وزدفت كرب المرائيسية - ال أسبة الول علم ال على مدينة الافن مرة كواست يحاف المراجر ويعمل العرف في الدر المستعقد مود من إلى ارون بالاسم واران بازانت والااعتن قرى بالعبد في ما المد ارام سير محكى ما وف مرز الم مع الدين أكثر التواد الرمن الن مع المان مع المراجع المحقاق الت الاي بقر ازاك اللي فرد فقد مشترى ويونس مست على واد لون بال رمى ابن محسب المداد منول وفر منول ال ذاري فافر م مشترى مرمود من فى برمروم اولى داى زرى كا دردار والما مسترى دورت الى والى مسترى وم روض سبور يو محل الري من غراريد وستها ونر نوا المست منه فام مر مستقل الهو سب من بالع كوكون مدردالترام أنهوه - علافرا فاست مد مع قرو وتموز من كار نها است ري

قرالمودن يستقرفان عائد بالت

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PÄKISTAN لايون سيسة اذكر وفرد مرداشت سيسيم بن لنداب ، تركس دواني نوب انتم ويونك بلزمينه » انتخر روز بسيان ، المستند من كمرف مسيسة بن المركس بالمركس من من المنه ويونك مستند » انتخر روز بسيار مالم سند من كمرف من المركس بالمركس من مولد في É,

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Type of Technology

The power house at US Apparel and Textiles Pvt. Ltd. employs three internal combustion engines based power gensets offering a gross capacity of 3.90MWe while utilizing HFO and HSD as the recommended fuels. HFO is the primary plant fuel while HSD is fall-back.

The three gensets provide net useful output of 3.82 MWe at 100% loading conditions.

The turbocharged engines are manufactured by MAN B&W (GmbH) and Caterpillar while the power generating units (synchronous Alternators) are made by AEM (GmbH) and Caterpillar. All units are coupled to provide optimized performance. To accommodate the higher viscosity of HFO, a pre-heater on the engines primes the fuel for the engines on demand.

Cogeneration using a WHRSG allows the power plant to be more environment friendly while providing extra output in the form of High Energy Content Water (Steam) from the exhaust heat which otherwise would have been wasted and vented into the atmosphere.

Chief Operating Officer

	Head Office
	26-M, Gulberg - III, Lahore - Pakistan 111+92-42-358-69-721-24 1F1+92-42-358-35-358-35-358
	Factory
20 Km, I	Off Ferozepur Road Glaxo town, Lahore - Pakistan T +92 42 359 50 591 - 94 F +92 42 354 57 350 - 58
	Deutschland
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www.usapparelandtextiles;com

| F I +49 421 643 7031

L27/38 Installation Manual Power Plant Four-stroke GenSet

Engineering the Future – since 1758. **MAN Diesel & Turbo**

MAN

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9700157-5.0 Page 1 (1)		Main Particulars		B 10 01 1
				L27/38
Cycle		:	4-stroke	
Configurat	ion	:	In-line	
Cyl. nos av	ailable	:	5-6-7-8-9	
Power rang	le	:	1500-2970 kW (HFO/MDO)	
Speed		:	720/750 rpm	
Bore		· :	270 mm	
Stroke		:	380 mm	
Stroke/bore	e ratio	:	1.4:1	
Piston area	ı per cyl.	:	572.6 cm ²	
Swept volu	me per cyl.	:	21.8 ltr.	
Compressi	on ratio	:	15.9:1	
Turbochar	jing principle	:	Constant pressure system and intercooli	ng
Fuel quality	y acceptance	:	HFO (up to 700 cSt/50° C, RMK700) MDO (DMB) - MGO (DMA, DMZ) according ISO8217-2010	

Power lay-out	MCR version		
Speed	rpm		750
Mean piston speed	m/sec.	9.1	9.5
Mean effective pressure: 5 cylinder engine (HFO/MDO) 6, 7, 8, 9 cylinder engine (HFO/MDO)	bar bar	23.0 25.3	23.5 24.3
Max. combustion pressure: 5 cylinder engine (HFO/MDO) 6, 7, 8, 9 cylinder engine (HFO/MDO)	bar bar	190 200	190 200
Power per cylinder: 5 cylinder engine (HFO/MDO) 6, 7, 8, 9 cylinder engine (HFO/MDO)	kW/cyl. kW/cyl.	300 330	320 330

τ.

MAN Diesel & Turbo

Key for Engine Designation	I 00 05 0
	Key for Engine Designation

General

Engine Type Identification

The engine types of the MAN Diesel & Turbo programme are identified by the following figures:



MAN Diesel

1671795-3.1 Page 1 (1)

Sound Measurements

L27/38

Engine and Exhaust Sound										
Number of cylinders	5		6		7		8		9	
RPM	720	750	720	750	720	750	720	750	720	750
Engine sound:										
Mean sound pressure L _{pfA} [dB]	102.0	107.6	99.5	.	101.0		103.8	105.8*	-	105.1
Power [kW]	1500	1600	1800	-	2310	-	2350	-	-	2880
Exhaust sound:										
Power [kW]	-	1600	1800	-	2310	-	2640	-	-	2880
Sound pressure L _{pA} [dB]	-	132.6 *4	129.7 **	-	134.1 **	-	134.3 **	-	-	133.6 **

For further information see: "Description of sound measurements" D 10 25 0.

*

Frequency spectrum are not available. Measured in exhaust pipe with probe Measured in according with ISO2923 **

*4

The stated values are calculated and actual measurements on specified plant may be different.

MAN Diesel & Turbo





Cyl. no	A (mm)	* B (mm)	* C (mm)	H (mm)	**Dry weight GenSet (t)
5 (720 rpm)	4346	2486	6832	3712	42.0
5 (750 rpm)	4346	2486	6832	3712	42.3
6 (720 rpm)	4791	2766	7557	3712	45.8
6 (750 rpm)	4791	2766	7557	3712	46.1
7 (720 rpm)	5236	2766	8002	3899	52.1
7 (750 rpm)	5236	2766	8002	3899	52.1
8 (720 rpm)	5681	2986	8667	3899	56.5
8 (750 rpm)	5681	2986	8667	3899	58.3
9 (720 rpm)	6126	2986	9112	3899	61.8
9 (750 rpm)	6126	2986	9112	3899	63.9

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Ρ

Free passage between the engines, width 600 mm and height 2000 mm. Min. distance between engines: 2900 mm. (without gallery) and 3100 mm. (with gallery) Q

Depending on alternator Weight included a standard alternator **

All dimensions and masses are approximate, and subject to changes without prior notice.

DIESEL GENERATOR SET





Image shown may not reflect actual package.

FEATURES

ruel/emissions strategy

Low Fuel consumption

DESIGN CRITERIA

• The generator set accepts 100% rated load in one step per NFPA 110 and meets ISO 8528-5 transient response.

FULL RANGE OF ATTACHMENTS

- Wide range of bolt-on system expansion attachments, factory designed and tested
- Flexible packaging options for easy and cost effective installation

WORLDWIDE PRODUCT SUPPORT

- Cat dealers provide extensive post sale support including maintenance and repair agreements
- Cat dealers have over 1,800 dealer branch stores
- ()perating in 200 countries
- The Cat® S•O•S[™] program cost effectively detects internal engine component condition, even the presence of unwanted fluids and combustion by-products

CAT® 3512 TA DIESEL ENGINE

· Reliable, rugged, durable design

reliability, and cost-effectiveness.

• Field-proven in thousands of applications worldwide

1020 ekW 1275 kVA

50 Hz 1500 rpm 400 Volts Caterpillar is leading the power generation marketplace with Power Solutions engineered to deliver unmatched flexibility, expandability,

• Four-stroke-cycle diesel engine combines consistent performance and excellent fuel economy with minimum weight

CAT SR5 GENERATOR

- Matched to the performance and output characteristics of Cat engines
- · Industry leading mechanical and electrical design
- · Industry leading motor starting capabilities
- High Efficiency

PRIME

CAT EMCP 4 CONTROL PANELS

- · Simple user friendly interface and navigation
- Scalable system to meet a wide range of customer needs
- Integrated Control System and Communications
 Gateway

PRIME 1020 ekW 1275 kVA

50 Hz 1500 rpm 400 Volts

TECHNICAL DATA

Open Generator Set 1500 rpm/50 Hz/400 Volts		DM8222
Low Fuel Consumption		
Generator Set Package Performance Genset Power rating @ 0.8 pf Genset Power rating with fan	1275 kVA 1020 ekW	
Coolant to aftercooler Coolant to aftercooler temp max	82 ° C	180 ° F
Fuel Consumption 100% load with fan 75% load with fan 50% load with fan	264.6 L/hr 203.2 L/hr 140.8 L/hr	69.9 Gal/hr 53.7 Gal/hr 37.2 Gal/hr
Cooling System' Air flow restriction (system) Air flow (max @ rated speed for radiator arrangement) Engine Coolant capacity with radiator/exp. tank Engine coolant capacity Radiator coolant capacity	0.12 kPa 1246 m³/min 286.8 L 156.8 L 130.0 L	0.48 in. water 44002 cfm 75.8 gal 41.4 gal 34.3 gal
Inlet Air Combustion air inlet flow rate	92.0 m³/min	3249.0 cfm
Exhaust System Exhaust stack gas temperature Exhaust gas flow rate Exhaust flange size (internal diameter) Exhaust system backpressure (maximum allowable)	449.2 ° C 231.8 m³/min 203.2 mm 6.7 kPa	840.6 ° F 8185.9 cfm 8.0 in 26.9 in, water
Heat Rejection to coolant (total) Heat rejection to coolant (total) Heat rejection to exhaust (total) Heat rejection to aftercooler Heat rejection to atmosphere from engine Heat rejection to atmosphere from generator	616 kW 1016 kW 159 kW 115 kW 49.2 kW	35032 Btu/min 57780 Btu/min 9042 Btu/min 6540 Btu/min 2798:0 Btu/min
Alternator ² Motor starting capability @ 30% voltage dip Frame Temperature Rise	3087 skVA 1445 125 ° C	225 ° F
Lube System	310.4 L	82.0 gal

For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to existing restriction from factory. JL 2200 Listed packages may have oversized generators with a different temperature rise and motor starting characteristics. Generator temperature rise is based on a 40°C ambient per NEMA MG1-32.

CAT

PRIME 1020 ekW 1275 kVA

50 Hz 1500 rpm 400 Volts

SPECIFICATIONS

CAT GENERATOR

Cat Generator

Frame size14	45
ExcitationInternal Excitati	on
Pitch0.66	67
Number of poles	4
Number of bearings Single beari	ng
Number of Leads0	06
InsulationUL 1446 Recognized Class H wi	th
tropicalization and antiabrasion - Consult your Caterpillar dealer for available voltages	
IP RatingIP	23
gnmentPilot Sh	aft
gnmentPilot Sh. Overspeed capability1	aft 50
gnmentPilot Sh Overspeed capability1 Wave form Deviation (Line to Line)	aft 50 00
gnmentPilot Sh. Overspeed capability	aft 50 00 le
gnmentPilot Sh. Overspeed capability	aft 50 00 le te)
gnmentPilot Sh. Overspeed capability	aft 50 00 le te)
gnmentPilot Sh. Overspeed capability	aft 50 00 le te) 50

CAT DIESEL ENGINE

Bore	170.00 mm (6.69 in)
Stroke	190.00 mm (7.48 in)
Displacement	51.80 L (3161.03 in³)
Compression Ratio	
Aspiration	
Fuel System	Direct unit injection
ာပernor Type	Woodward
1	

CAT EMICP 4 SERIES CONTROLS

EMCP 4 controls including:

- Run / Auto / Stop Control
- Speed and Voltage Adjust
- Engine Cycle Crank
- 24-volt DC operation
- Environmental sealed front face
- Text alarm/event descriptions

Digital indication for:

- RPM
- DC volts
- Operating hours
- Oil pressure (psi, kPa or bar)
- Coolant temperature
- Volts (L-L & L-N), frequency (Hz)
- Amps (per phase & average)
- ekW, kVA, kVAR, kW-hr, %kW, PF

Warning/shutdown with common LED indication of:

- Low oil pressure
- High coolant temperature
- Overspeed
- Emergency stop
- Failure to start (overcrank)
- Low coolant temperature
- Low coolant level

Programmable protective relaying functions:

- Generator phase sequence
- Over/Under voltage (27/59)
- Over/Under Frequency (81 o/u)
- Reverse Power (kW) (32)
- Reverse reactive power (kVAr) (32RV)
- Overcurrent (50/51)

Communications:

- Six digital inputs (4.2 only)
- Four relay outputs (Form A)
- Two relay outputs (Form C)
- Two digital outputs
- Customer data link (Modbus RTU)
- Accessory module data link
- Serial annunciator module data link

- Emergency stop pushbutton

Compatible with the following:

- Digital I/O module
- Local Annunciator
- Remote CAN annunciator
- Remote serial annunciator

enerator



Industrial Boilers (Pvt) Litd

A Leading Firm Manufacturing Boiler & Pressure Vessels.

****Quotation for Waste Heat Recovery Boiler***

Ref. No. IBL/IC/QR/12.

Dated: 13/10/2016. Page: 2 of 8 / MMH

Technical & Commercial Specifications:

Sr. #	Description	Detail
·01	"Engine Specifications"	
	Type of engine:	5 L 27 / 38 MAN
	Exhaust Gas temperature at maximum Load:	365 degree C.
•	Exhaust gas flow kg/kw/hr:	11,200 kg/hr
1	No. of Engines:	02
02	"Boiler Specifications"	
	Construction Code:	ASME/ PBR
	Type of Boiler:	(Duplex) Horizontal Fire Tubes
	No of boiler:	01.
	Working Pressure:	150 Psi.
	Design Pressure:	155 Psi.
	Hydraulic test pressure:	280 Psł.
	Steam generation Capacity:	850 + 850 = 1700 kg /hr ± 3% at full load of
		generator and 100 Deg C feed water temp.
03	"Mode of Operation"	Auto/ manual
04	"Shell"	den
	Shell material:	SA-516-Gr 70.
	Origin:	Imported.
	Thickness of shell:	18 mm.
	Dia of shell:	2450 mm.
	Shell Length:	4572 mm.

10 – Km, More Eminabad, Gujranwala. Tele: 055 – 3263700, 3263800, 3264200 Mob. 0300 – 8644777. Email: <u>boilerspower@hotmail.com</u>, WWW. industrialboilers.com.pk



Industrial Boilers (Pvt) Ltd

A Leading Firm Manufacturing Boiler & Pressure Vessels.

Quotation for Waste Heat Recovery Boiler

Dated: 13/10/2016. Page: 3 of 8 / MMH

05	"Heating Surface"	
	Total:	1800 + 1800 = 3600 sqft. (approx)
06	"Tubes"	
-	Dia:	51 mm.
	Thickness:	3.25 mm.
	Tubes material:	ASTM – 192.
	Origin:	Imported from China.
07	"End Plate"	
	Nos.:	02.
	Material:	SA-516-Gr 70.
	Material origin:	Imported.
	End plates Dia:	As per shell Dia.
	Thickness:	25 mm.
80	"Man Holes"	
	Location:	Shell Top.
	Nos.:	One.
	Frame Size:	Elliptical (230 x 300 x22) mm.
	Location 2:	Elliptical Shell sides.1+1.
	Frame size:	Elliptical 228 x 304 x 600 mm.
09	"Smoke Box"	
	Front side:	01.
	Back side:	01.
	Material:	M. S.
	Thickness:	5 mm.
		•

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No of Unit Size (MWe)

The Power House at US Apparel and Textiles Pvt. Ltd. comprises of 02 No of HFO/ HSD operated Gensets of capacity 1.44 MWe each & 01 No of HSD operated Genset of capacity 1.02 MWe. Total gross capacity of Power House is 3.90 MWe.

hlights of Power House	
Number of Gensets	03 No
Gross Capacity of Plant	3.90 MWe
Auxiliary Consumption	0.08 MWe
Net Capacity	3.82 MWe
Rated Voltage – Generator	400∨
Detail of HFO Gen-sets	
Number of Gensets	02 No
Gross Capacity of Genset	1.44 MWe
Auxiliary Consumption	0.08 MWe
Rated Voltage – Generator	400V
Engine RPM	750
Engine Type	5L 27/38
Primary Fuel	HFO
Back Up Fuel	High Speed Diesel

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Chief Operating Officer

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Detail of Diesel Gen-set	
Number of Genset	01 No
Capacity of Genset	1.02 MWe
Band Vettage – Generator	400V
Engine RPM	1500
Fuel Type	High Speed Diesel

Chief Operating Officer

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Description of view

5	Rotating rectifier	9.2
6	Choke coil	10
6.1	Choke coil terminal strip	11
7	Current transformers	К
7.1	Current transformers terminal strip	R
8	Stationary rectifier	R31
9	Voltage regulator	S1

- Regulator potentiometer Radio interference suppression capacitor Static current transformer
- Terminal strip X100:1, X100:2, ... Terminal strip R1, R2, ...
- Step-down resistor
- Voltage surge protector

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21/02/06

Technical data of the generator SE 630 SA8

project/order: MAN B&W

1. General data

rated power	: 1805	kVA	powe	r factor	: 0,8	0
rated power	: 1444	kW	poles		: 8	
voltage	: 400	V	speed	1	: 750	1/min
current	: 2605	A	coolir	ng	: IC 01	ł
frequency	: 50	Hz	encio	sure	: IP 23	3
rating	: S1		coolir	ng air temp	o.: 40	°C
insulation class	: H/H		temp.	rise acc.	: F/F	
standards	: DIN EN 6	80 034-1	rules		:	
2. Resistance (a	nt 20 °C)					
stator winding pe	er phase		: ,78	mg	Ω	
3. Reactances (p.u.;saturat	ted)				
direct-axis synch	ironous read	stance	Xd	: 2,34	40	
direct-axis transi	ient reactan	ce	Xď'	: 0,41	10	
direct-axis subtra	ansient reac	tance	Xd"	: 0,18	38	
quadrature-axis	subtransien	t reactance	Xq"	: 0,17	79	
negative-sequer	nce reactanc)e	X2	: 0,18	34	
zero-sequence r	eactance	,	X0	: 0,05	52	
4. Time constar	<u>its</u>					
transient open-c	ircuit time co	onstant	Td0'	: 4.00	S	
transient short-c	ircuit time co	onstant	Tď'	: 700	ms	
subtransient sho	ort-circuit tim	e constant	Td"	: 32	ms	
armature winding	g short-circu	iit time constant.	Та	: 59	ms	
5. Short-circuit	data					
asymmetric shor	t-circuit curr	ent (peak c.)	ls	: 35.20	OkA	
asymmetric shor	t-circuit alte	rnating c.(eff.)	lk"	. 13.80	OkA	
sustained short-circuit current (eff.)			lkd	: 9,10	OkA	

All values with tolerance acc. to DIN EN 60 034-1

Datenblatt "Gleitlager" Data sheet "Slide bearings"

Anhaltische Elektromotorenwerk Dessau GmbH



KAD 00800/DE Ausgabe/edition: 03/05

Maschinentyp Type of machine	Werknummer Serial number	AEM-Auftrags-Nr. AEM-order-no.
SE 630 SA8	3006 00169 - 00170	S61 632 8 003
		·
	D-Seite / D-side	N-Seite / N-side
Lagertyp Type of bearing		EFNLK 18-180
Hersteller Manufacturer		RENK
Viskosität (Öl) Class of viscosity (oil)	-	ISO VG 46
Füllmenge (Öl) in I Quantity of filling (oil) in I	www	13
Durchflussmenge (Öl) in I/min Flow volume (oil) in I/min		
Übergangsdrehzahl in U/min Transition speed in rpm		.30
Öltemperaturzulauf in °C Oil temperature inlet in °C	in stati	
Drehrichtung Direction of rotation	rechts clockwise	
Schmierstoff-Empfehlung Lubricants of Slide Bearings – Recommendation	Anhang KAD 00820/DEF Appendix KAD 00820/DEF	
Transportsicherung transport locking device	siehe Zeichr see drawing	nungsnr.: xxxx number: xxxx
Montagemaß X magnetische Mitte Control measure X centre of mag	in mm netic in mm	
siehe Kennzeichnung am Lager I see marked at the bearing D-sid)-Seite le	

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HFO Genset

Engine Specification

Umer Siddique

Sr. No	Specification	DG# 01	DG# 02
1	Year of Manufacturing	2006	2006
2	Make:	MAN B&W DIESEL A/S HOLEBY	MAN B&W DIESEL A/S HOLEBY
3	Model:	5L27/38	5L27/38
4	Engine Serial No.	22214	22215
5	RPM:	750	. 750

	Alternator Specification			
Sr. No Specification DG# 01 DG# 02				
1	Make:	AEM DESSAU GMBH	AEM DESSAU GMBH	
2	Model:	SE 630 SAB	SE 630 SAB	
3	Amperes (A)	2605	2605	
4	Alternator Serial No.	300600169	300600170	
5	RPM:	750	750	

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Diesel Genset

Engine Specifications

Sr. No	Description	
1	Make:	CATERPILLAR USA
2	Model:	3512D
3	Engine Serial No.	24Z03591
4	Alternator Serial No.	3EF00930
5	RPM:	1500

Alternator Specifications

Sr. No	Description	
1	Make: CATERPILLAR.IMC.CAT USA	
2	Model: SR-4	
3	Amperes (A) 1840	
4	4 Alternator Serial No. 3EF00930	
5	RPM:	1500

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Erection and Commissioning

US Apparel & Textiles Power Plant erection & commissioning activities completed under the supervision of MAN Diesel & Turbo. Following are various stages of erection & commissioning.

Erection completion date: 30-05-2017

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- Cold run completion date: 06-06-2017
- Hot run completion with HSD fuel date: 09-06-2017
- Hot run completion with HFO fuel date: 16-08-2017

Now DG sets are in continuous operation to supply uninterrupted electrical power.

The type and quality of the fuel plays an important and critical role in the combustion features. The products of combustion may dictate the life of the engine combustion chamber. However, there are many variables have direct or indirect effect to the process and the quality of combustion itself. Approximate life of HFO based Power Plant is about 25 years.

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Installed Capacity

The Power House at US Apparel and Textiles Pvt. Ltd. comprises of 02 No of HFO/HSD operated gensets of capacity 1.44 MWe each & 01 No of HSD operated genset of capacity 1.02 MWe at mean site conditions. Total installed capacity of Bower Bower Bower is 3.90 MWe with an auxiliary load of 0.08 MWe. Power House provides net useful output of 3.82 MWe at 100% loading conditions.

Installed Capacity of Power Plant	3.90 MWe
Auxiliary consumption of Power Plant	0.08 MWe
Net Capacity of Power Plant at mean site conditions	3.82 MWe

Mean site conditions				
Intake air temperature	45 °C			
Barometric Pressure	100 kPa			
Relative humidity	30%			
Cooling water temperature	35 ^o C			
bef. charge air cooler				
Net calorific value	42,700 Kj/Kg			

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Power House Auxiliary Load

Sr. #	Description	Connected load (KW)	Running load (KW)
1	Cooling tower fan	5.5 * 2	9.9
2.	Cooling water pumps	11 * 2	19.8
3	Air Intake fan	9*2	16.2
4	Exhaust Fan	4 * 2	7.2
5	L.O Purifier	5*1	4.59
6	HFO Purifier	8 * 1	7.2
7	Booster Unit	3.5 * 2	6.3
8	Lighting Load	4 * 1	3.6
9	Transfer pump	6*1	5.4
Total	-		80 KW

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ANHALTISCHE ELEKTROMOTORENWERK DESSAU GMBH

Technical data of the generator SE 630 SA8

project/order: MAN B&W

21/02/06

1. General data

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rated power: 1805kVArated power: 1444kWvoltage: 400Vcurrent: 2605Afrequency: 50Hzrating: S1insulation class: H/Hstandards: DIN EN 60 034-1	power factor: 0,80poles: 8speed: 750 1/mincooling: IC 01enclosure: IP 23cooling air temp.: 40 °Ctemp. rise acc.: F/Frules:
2. Resistance (at 20 °C)	
stator winding per phase	:,78 mΩ
3. Reactances (p.u.:saturated) direct-axis synchronous reactance direct-axis transient reactance direct-axis subtransient reactance quadrature-axis subtransient reactance negative-sequence reactance zero-sequence reactance	Xd : 2,340 Xd' : 0,410 Xd'' : 0,188 Xq'' : 0,179 X2 : 0,184 X0 : 0,052
4. Time constants	
transient open-circuit time constant transient short-circuit time constant subtransient short-circuit time constant armature winding short-circuit time con	Td0' : 4,00 s Td' : 700 ms Td" : 32 ms stant Ta : 59 ms
5. Short-circuit data	
asymmetric short-circuit current (peak or asymmetric short-circuit alternating c.(er sustained short-circuit current (eff.)	≿.) Is : 35,20kA hff.) Ik'' : 13,80kA Ikd : 9,10kA

All values with tolerance acc, to DIN EN 60 034-1

Type of Fuel Oil



The power House at US Apparel and Textiles Pvt. Ltd. comprises of 02 Nos. 5L 27/38 MAN diesel gen-sets of capacity 1.44 MWe each utilizing HFO and HSD as recommended fuels and 01 No Caterpillar diesel genset of capacity 1.02MWe utilizing HSD as the recommended fuel. HFO is the primary plant fuel while HSD is fallback.

HFO, also known as "residual fuel oil", is based on the high viscosity, tar-like mass, which remains after the distillation and subsequent cracking of crude oil in order to produce lighter hydrocarbon products, such as petrol, distillate diesel fuels and heating oil or feed stocks for lubricants. The main components are alkanes, cycloalkanes and different carbon hydrides. The boiling range is between 300°C and ~700°C.

As a residual product, HFO is a relatively inexpensive fuel – it typically costs less than distillate fuels (MDO/MGO).Due to its semi-fluid consistence, HFO has to be preheated to make it combustible in engines.

Different OMCs local and outside the country provide HFO and HSD. The engines installed Power House can burn both imported and indigenous oils.

At present HFO is being purchased from NRL and Parco for Power House. HFO is transported through oil tankers of capacity 25 M Ton ~ 50 M Ton.

The storage capacity (suction.able) of HFO at Power Plant is 326,740 liters which is sufficient for 21 days power generation at 100% loading of gen-sets.

Pipe lines are not applicable.

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HFO/HSD Storage Capacity at Power Plant Apparel & Textules

	Capacity (ltr)	Non suction able (ltr)	Useable Capacity (ltr)
litorage Tankik 01	133,600	5,800	127,800
Storage Tank# 02	133,600	5,800	127,800
Settling Tank# 01	23,400	1,580	21,820
Settling Tank# 02	23,400	1,580	21,820
Day Tank# 01	14,600	850	13,750
Day Tank# 02	14,600	850	13,750
Total HFO	343,200	16,460	326,740
HSD Tank	25,000	1200	23,800

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Specification for heavy fuel oil (HFO)

Prerequisites

MAN four-stroke diesel engines can be operated with any heavy fuel oil obtained from crude oil that also satisfies the requirements in Table "*The fuel specification and corresponding characteristics for heavy fuel oil*", providing the engine and fuel processing system have been designed accordingly. To ensure that the relationship between the fuel, spare parts and repair / maintenance costs remains favorable at all times, the following points should be observed.

The quality of the heavy fuel oil largely depends on the quality of crude oil and on the refining process used. This is why the properties of heavy fuel oils with the same viscosity may vary considerably depending on the bunker positions. Heavy fuel oil is normally a mixture of residual oil and distillates. The components of the mixture are normally obtained from modern refinery processes, such as Catcracker or Visbreaker. These processes can adversely affect the stability of the fuel as well as its ignition and combustion properties. The processing of the heavy fuel oil and the operating result of

Bunker positions with standardised heavy fuel oil qualities should preferably be used. If oils need to be purchased from independent dealers, also ensure that these also comply with the international specifications. The engine operator is responsible for ensuring that suitable heavy fuel oils are chosen. Fuels intended for use in an engine must satisfy the specifications to ensure

sufficient quality. The limit values for heavy fuel oils are specified in Table *"The fuel specification and corresponding characteristics for heavy fuel oil"*. The entries in the last column of this table provide important background

Different international specifications exist for heavy fuel oils. The most important specifications are ISO 8217-2010 and CIMAC-2003, which are more or less identical. The ISO 8217 specification is shown in Figure "ISO 8217-2010 specification for heavy fuel oil". All qualities in these specifications up to K700

Even though the fuel properties specified in the table entitled "The fuel specification and corresponding properties for heavy fuel oil" satisfy the above requirements, they probably do not adequately define the ignition and combustion properties and the stability of the fuel. This means that the operating behaviour of the engine can depend on properties that are not defined in the

specification. This particularly applies to the oil property that causes formation of deposits in the combustion chamber, injection system, gas ducts and exhaust gas system. A number of fuels have a tendency towards incompatibility with lubricating oil which leads to deposits being formed in the fuel delivery pump that can block the pumps. It may therefore be necessary to

can be used, providing the fuel preparation system has been designed accordingly. To use any fuels, which do not comply with these specifications (e.g. crude oil), consultation with Technical Service of MAN Diesel & Turbo in Augsburg is required. Heavy fuel oils with a maximum density of 1,010 kg/m³

may only be used if up-to-date separators are installed.

the engine also depend heavily on these factors.

information and must therefore be observed.

Heavy fuel oil (HFO)

Origin/Refinery process

Specifications

Important

exclude specific fuels that could cause problems.

6680 3.3.3-01



Additional information	
	The purpose of the following information is to show the relationship between the quality of heavy fuel oil, heavy fuel oil processing, the engine operation and operating results more clearly.
Selection of heavy fuel oil	Economic operation with heavy fuel oil within the limit values specified in the table entitled <i>"The fuel specification and corresponding properties for heavy fuel oil"</i> is possible under normal operating conditions, provided the system is working properly and regular maintenance is carried out. If these requirements are not satisfied, shorter maintenance intervals, higher wear and a greater need for spare parts is to be expected. The required maintenance intervals and operating results determine, which quality of heavy fuel oil should be used.
	It is an established fact that the price advantage decreases as viscosity increases. It is therefore not always economical to use the fuel with the high- est viscosity as in many cases the quality of this fuel will not be the best.
Viscosity/injection viscosity	Heavy fuel oils with a high viscosity may be of an inferior quality. The maxi- mum permissible viscosity depends on the preheating system installed and the capacity (flow rate) of the separator.
	The prescribed injection viscosity of 12 – 14 mm²/s (for GenSets, 23/30H and 28/32H: 12 - 18 cSt) and corresponding fuel temperature upstream of the engine must be observed. This is the only way to ensure efficient atomisation and mixture formation and therefore low-residue combustion. This also prevents mechanical overloading of the injection system. For the prescribed injection viscosity and/or the required fuel oil temperature upstream of the engine, refer to the viscosity temperature diagram.
Heavy fuel oil processing	Whether or not problems occur with the engine in operation depends on how carefully the heavy fuel oil has been processed. Particular care should be taken to ensure that highly-abrasive inorganic foreign matter (catalyst particles, rust, sand) are effectively removed. It has been shown in practice that wear as a result of abrasion in the engine increases considerably if the aluminum and silicium content is higher than 15 mg/kg.
	Viscosity and density influence the cleaning effect. This must be taken into account when designing and making adjustments to the cleaning system.
Settling tank	Heavy fuel oil is precleaned in the settling tank. The longer the fuel remains in the tank and the lower the viscosity of heavy fuel oil is, the more effective the precleaning process will be (maximum preheating temperature of 75 °C to prevent the formation of asphalt in heavy fuel oil). A settling tank is sufficient for heavy fuel oils with a viscosity of less than 380 mm ² /s at 50 °C. If the heavy fuel oil has a high concentration of foreign matter, or if fuels in accord- ance with ISO-F-RM, G/H/K380 or H/K700 are to be used, two settling tanks will be required one of which must be sized for 24-hour operation. Before the content is moved to the service tank, water and sludge must be drained from the settling tank.
Separators	A separator is particularly suitable for separating material with a higher spe- cific density – water, foreign matter and sludge, for example. The separators must be self-cleaning (i.e. the cleaning intervals must be triggered automati- cally).
	Only new generation separators should be used. They are extremely effective throughout a wide density range with no changeover required, and can separate water from heavy fuel oils with a density of up to 1.01 g/ml at 15 °C.

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Table "Achievable proportion of foreign matter and water (following separation)" shows the prerequisites that must be met by the separator. These limit values are used by manufacturers as the basis for dimensioning the separator and ensure compliance.

The manufacturer's specifications must be complied with to maximize the cleaning effect.



3.3.3

Figure 3: Location of heavy fuel oil cleaning equipment and/or separator

The separators must be arranged according to the manufacturers' current recommendations (Alpha Laval and Westfalia). The density and viscosity of the heavy fuel oil in particular must be taken into account. If separators by other manufacturers are used, MAN Diesel & Turbo should be consulted.

If processing is carried out in accordance with the MAN Diesel & Turbo specifications and the correct separators are chosen, it may be assumed that the results stated in the table entitled *"Achievable proportion of foreign matter and water"* for inorganic foreign matter and water in the heavy fuel oil will be achieved at the engine inlet.

Results obtained during operation in practice show that the wear occurs as a result of abrasion in the injection system and the engine will remain within acceptable limits if these values are complied with. In addition, an optimum lubricating oil treatment process must be ensured.

Definition	Particle size	Quantity
Inorganic foreign matter including catalyst particles	< 5 µm	<20 mg/kg
Al+Si content		< 15 mg/kg
Water content		< 0.2 % by vol. %

Table 2: Achievable proportion of foreign matter and water (after separation)

It is particularly important to ensure that the water separation process is as thorough as possible as the water takes the form of large droplets, and not a finely distributed emulsion. In this form, water also promotes corrosion and sludge formation in the fuel system and therefore impairs the supply, atomisation and combustion of the heavy fuel oil. If the water absorbed in the fuel is seawater, harmful sodium chloride and other salts dissolved in this water will enter the engine.



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Water

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3.3-01		Water-containing sludge must be removed from the settling tank before the separation process starts, and must also be removed from the service tank at regular intervals. The tank's ventilation system must be designed in such a way that condensate cannot flow back into the tank.
6680 3.	Vanadium/Sodium	If the vanadium/sodium ratio is unfavorable, the melting point of the heavy fuel oil ash may fall in the operating area of the exhaust-gas valve which can lead to high-temperature corrosion. Most of the water and water-soluble sodium compounds it contains can be removed by pretreating the heavy fuel oil in the settling tank and in the separators.
		The risk of high-temperature corrosion is low if the sodium content is one third of the vanadium content or less. It must also be ensured that sodium does not enter the engine in the form of seawater in the intake air.
		If the sodium content is higher than 100 mg/kg, this is likely to result in a higher quantity of salt deposits in the combustion chamber and exhaust-gas system. This will impair the function of the engine (including the suction function of the turbocharger).
		Under certain conditions, high-temperature corrosion can be prevented by using a fuel additive that increases the melting point of the heavy fuel oil ash (also see "Additives for heavy fuel oils").
	Ash	Fuel ash consists for the greater part of vanadium oxide and nickel sulphate (see above chapter for more information). Heavy fuel oils containing a high proportion of ash in the form of foreign matter, e.g. sand, corrosion com- pounds and catalyst particles, accelerate the mechanical wear in the engine. Catalyst particles produced as a result of the catalytic cracking process may be present in the heavy fuel oils. In most cases, these are aluminium silicate particles that cause a high degree of wear in the injection system and the engine. The aluminium content determined, multiplied by a factor of between 5 and 8 (depending on the catalytic bond), is roughly the same as the pro- portion of catalyst remnants in the heavy fuel oil.
	Homogeniser	If a homogeniser is used, it must never be installed between the settling tank and separator as otherwise it will not be possible to ensure satisfactory sepa- ration of harmful contaminants, particularly seawater.
	Flash point (ASTM D 93)	National and international transportation and storage regulations governing the use of fuels must be complied with in relation to the flash point. In general, a flash point of above 60 °C is prescribed for diesel engine fuels.
uel oil (HFO)	Low-temperature behaviour (ASTM D 97)	The pour point is the temperature at which the fuel is no longer flowable (pumpable). As the pour point of many low-viscosity heavy fuel oils is higher than 0 °C, the bunker facility must be preheated, unless fuel in accordance with RMA or RMB is used. The entire bunker facility must be designed in such a way that the heavy fuel oil can be preheated to around 10 °C above the pour point.
ir heavy fi	Pump characteristics	If the viscosity of the fuel is higher than 1,000 mm²/s (cST), or the tempera- ture is not at least 10 °C above the pour point, pump problems will occur. For more information, also refer to "Low-temperature behaviour (ASTM D 97)".
Specification fo General	Combustion properties	If the proportion of asphalt is more than two thirds of the coke residue (Con- radson), combustion may be delayed which in turn may increase the forma- tion of combustion residues, leading to such as deposits on and in the injec- tion nozzles, large amounts of smoke, low output, increased fuel consump- tion and a rapid rise in ignition pressure as well as combustion close to the cylinder wall (thermal overloading of lubricating oil film). If the ratio of asphalt to coke residues reaches the limit 0.66, and if the asphalt content exceeds 8%, the risk of deposits forming in the combustion chamber and injection

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	system is higher. These problems can also occur when using unstable heavy fuel oils, or if incompatible heavy fuel oils are mixed. This would lead to an increased deposition of asphalt (see "Compatibility").	3-01
Ignition quality	Nowadays, to achieve the prescribed reference viscosity, cracking-process products are used as the low viscosity ingredients of heavy fuel oils although the ignition characteristics of these oils may also be poor. The cetane num- ber of these compounds should be > 35. If the proportion of aromatic hydro- carbons is high (more than 35 %), this also adversely affects the ignition quality.	6680 3.3.
	The ignition delay in heavy fuel oils with poor ignition characteristics is longer; the combustion is also delayed which can lead to thermal overloading of the oil film at the cylinder liner and also high cylinder pressures. The ignition delay and accompanying increase in pressure in the cylinder are also influenced by the end temperature and compression pressure, i.e. by the compression ratio, the charge-air pressure and charge-air temperature.	
\bigcirc	The disadvantages of using fuels with poor ignition characteristics can be limited by preheating the charge air in partial load operation and reducing the output for a limited period. However, a more effective solution is a high com- pression ratio and operational adjustment of the injection system to the igni- tion characteristics of the fuel used, as is the case with MAN Diesel & Turbo piston engines.	
	The ignition quality is one of the most important properties of the fuel. This value does not appear in the international specifications because a standar- dised testing method has only recently become available and not enough experience has been gathered at this point in order to determine limit values. The parameters, such as the calculated carbon aromaticity index (CCAI), are therefore aids that are derived from quantifiable fuel properties. We have established that this method is suitable for determining the approximate ignition quality of the heavy fuel oil used.	
Ó	A testing instrument has been developed based on the constant volume combustion method (fuel combustion analyser FCA) and is currently being tested by a series of testing laboratories. The instrument measures the ignition delay to determine the ignition quality of a fuel and this measurement is converted into a an instrument-specific cetane number (FIA-CN or EC). It has been established that in some cases, heavy fuel oils with a low FIA cetane number or ECN number can cause operating problems.	((
	As the liquid components of the heavy fuel oil decisively influence the ignition quality, flow properties and combustion quality, the bunker operator is responsible for ensuring that the quality of heavy fuel oil delivered is suitable for the diesel engine. (Also see illustration entitled <i>"Nomogram for determining the CCAI - assigning the CCAI ranges to engine types"</i>).	r fuel oil (HFC
		or heavy
2013-02-13 - de		scification fo
		Spe



Compatibility	The supplier must guarantee that the heavy fur- remains stable, even after the standard storag are mixed, this can lead to separation and the the fuel system during which large quantities o separator that block filters, prevent atomisation due as a result of combustion.	el oil is homogeneous and e period. If different bunker oils associated sludge formation in of sludge accumulate in the n and a large amount of resi-		
	This is due to incompatibility or instability of the as much as possible should be removed in the ing again to prevent incompatibility.	e olls. Therefore heavy fuel oil e storage tank before bunker-		
Blending the heavy fuel oil	If heavy fuel oil for the main engine is blended with gas oil (MGO) to obtain the required quality or viscosity of heavy fuel oil, it is extremely important that the components are compatible (see "Compatibility").			
Additives to heavy fuel oils	MAN Diesel & Turbo engines can be operated tives. It is up to the customer to decide whether beneficial. The supplier of the additive must gu tion will not be impaired by using the product.	economically without addi- er or not the use of additives is Jarantee that the engine opera-		
	The use of heavy fuel oll additives during the w ded as a basic principle.	varranty period must be avoi-		
	Additives that are currently used for diesel eng effects on the engine's operation, are summar tives for heavy fuel oils – classification/effects"	ines, as well as their probable ised in the table below <i>"Addi-</i>		
	Precombustion additives	 Dispersing agents/stabil- isers Emulsion breakers Biocides 		
	Combustion additives	 Combustion catalysts (fuel savings, emissions) 		
	Post-combustion additives	 Ash modifiers (hot corro- sion) Soot removers (exhaust- gas system) 		
	Table 3: Additives for heavy fuel oils – Classification	/effects		
Heavy fuel oils with low sulphur content	From the point of view of an engine manufacture phur content of heavy fuel oils does not exist. If problems with the low-sulphur heavy fuel oils do ket that can be traced back to their sulphur co- change in future if new methods are used for the heavy fuel oil (desulphurisation, new blending of Turbo will monitor developments and inform its	rrer, a lower limit for the sul- We have not identified any currently available on the mar- ontent. This situation may the production of low-sulphur components). MAN Diesel & s customers if required.		
	If the engine is not always operated with low-s sponding lubricating oil for the fuel with the hig selected.	ulphur heavy fuel oil, corre- jhest sulphur content must be		
a second and a second	$(1, \dots, n)$, the set of the set			
	Improper handling of operating fluids If operating fluids are improperly handled, the health, safety and the environment. The relative the supplier of operating fluids must be obs	this can pose a danger to evant safety information by served.		

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Supply Voltage

The Power House at US Apparel and Textiles Pvt. Ltd. comprises of 02 No of HFO/ HSD operated Gensets of capacity 1.44 MWe each & 01 No of HSD operated Genset of capacity 1.02 MWe. Total gross capacity of Power House is 3.90 MWe. Generation level of Power House is 400 Volts and outgoing feeder voltage level is 11000 volts. Two Step up transformers are installed at Power House to step up voltage level from 400 V to 11000 V.

	Step Up Transformers Specification							
Sr. No	Sr. No Specification Transformer # 01 Transformer # 0							
1	Make:	Validus Pakistan	Validus Pakistan					
2	Quantity	01 No	01 No					
3	Capacity	2000 KVA	2000 KVA					
4	Manufacturing Year	2017	2017					
5	Serial No.	LPK 21700023	LPK 21700024					

Chief Operating Officer

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Customer USApp ype TSUN 6 tating 2000 K Rated Voltage (at no load) otal Losses (W) Power Prim w	rel & Textile Pvt. 341 Calculation VA Winding Te Primary	Ltd. , Unit No.	3. , Lahore. VETR-B0123- R095.	Work Order Nr	L.P.K. No.		nersed 2170002	3	
ype TSUN 6 tating 2000 K Rated Voltage (at no load) otal Losses (W) Power Prim w	341 Calculation VA Winding Te Primary	No.	VETR-B0123- R095.	Work Order Nr				·····	
tating 2000 K Rated Voltage (at no load) otal Losses (W) Power Prim w	VA Winding Te	amn K			ר	5023174W06	Vector Gro	100	YNd11
Rated Voltage (at no load) otal Losses (W) Power Prim w	Primary		55	Oil Temp K	·····	50	Ambient T	emp. °C	50
(at no load) otal Losses (W) Power Primw	[· · · · · · · · · · · · · · · · · · ·	11000	Volts	Rated C	urront	Primary		105.0	Amps.
otal Losses (W) Power Prim w	Secondary	400	Volts	Trated O	un on r	Secondar	y	2886.8	Amps
Power Prim w	26442	Uz %	7.20	Duration of T	hermal Sho	rt Circuit Se	ec. 3	Frequency	50 C/s
- +	ig. 28000	V to Sec. w	dg./Earth	Insulation	Prim-Sec	>2000	MΩ	1000	Volts
req. Test				Resistance	Prim-Earth	>2000	MΩ	1000	Volte
(1 min) Second	lary winding	3000	V to Earth	(1:MIN.)	Sec-Earth	>2000	MΩ	1000	Volts
	Turn Ratio T	est		Resistance	· · · · · · ·	Ambient	Temp.	21	°C
Position	e Phase	Phase	Acc. to		Pri	mary Wind	ling (Ohm	5) T	
A	В	C	spec.data	A-I	В	В	-C	C.	-A
1 16.68	3 16.682	16.682	16.671	0.60	162	0.60	0214	0.60)312
2 16,28	3 16.281	16.282	16.275	Mean :	0.60226				
3 15.88	2 15.881	15.881	15.878						
4 15.48	3 15.481	15.482	15,481		Seco	ndary Wind	ding (moh	ms)	
5 15.08	3 15.081	15.082	15.084	a-l	b	b	-C	c	a
6 14,68	2 14.681	14.681	14,687	0.592	429	0.59	9063	0.60	003
		· · · · · ·		Mean :	0.59498				
······			8	b	· · · · · · · · · · · · · · · · · · ·		C		
No C=	1	C =	1	C =	1.	C =	1	C =	1
Load Read	ng Volts	Reading	Amps.	Reading	Amps,	Reading	Amps,	Reading	Watts
Test 400,	9 400.0	22,510	22.510	21.460	21.460	25,920	25,920	2010.0	<u>2010.0</u>
nduced overvolt	age withstand	test	22000 / 8	300 Volts	100	Cycles	60	Sec.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		ļ/	<u> </u>	В	·		<u>C</u>		
Load C=	1.732	<u>C=</u>	1	C =	1	C =	1	C =	1
Loss Read	ng Volts	Reading	Amps.	Reading	Amps,	Reading	Amps.	Reading	Watts
Test 428.	1 741.5	98,580	98,580	98.580	98.580	98,580	98.580	18950.0	<u>18950.0</u>
alculations		<u> </u>	mbient Tem	ıp,⁰C	21.5	Refe	erence Ten	np.⁰C	75
lated current prin	ary Iz Amps.		10)5.00		105.00			
mpedance drop t	z Volts		78	39.76	<u> </u>	792.33			
teactive drop Ux	/olts	.	78	30.86			78	0.86	
Resistive drop Ur	/olts		11	8,22		134.35			
x R Watts		174:		131.40		21067.18			
oad losses Wz W	atts	21498.60			1	244	32.47		
Load C = Loss Readi Test 428. Calculations C	1.732 ng Volts 1 741.5 ary Iz Amps. z Volts /olts /olts	C = Reading 98.580 A	1 Amps. 98,580 mblent Tem 10 78 78 11	B C = Reading 98.580 pp.°C 05.00 39.76 30.86 18.22 431.40	1 Amps. 98.580 21.5	C = Reading 98,580 Refe	C. 1 Amps. 98.580 erence Ten 10 79 78 13 210	C = Read 18950 18950 5.00 2.33 0.86 4.35 67.18	ing 0.0

VE-TR-TF-IPI-002/01-13-04-2016

TR TEST FIELDS

VALIDUS		Test R	eport	1941 (111) - 11 - 11 - 11 - 11 - 11 - 11 -	
entre contra		U S Apparel & Textile Pvt.	Ltd. , Unit No. 3	., Lahore.	
		Measurement of Diele	ctric Strength o	of Oil	
OII	sample —		→ Top → Middle		
		> From Drum			
San	nple Identificat	tion:		DATE: COM	219217
App	pearance:	Clear light Yellow colour		TIME:	:02 .9Hz
Wo	rk Order No.	5023174W06		21700023	
Rat	ing :	2000 kVA		IEC 156 1995	
LP/	< Νο.	21700023 .		CONTINUOUS STIR STIERING: MARM GAP: 2.00 ELECTRODES: 5PHE MUSH TEST 1 BREAKDOWN: 65.7 TEST 2 BREAKDOWN: 65.7 TEST 2 BREAKDOWN: 65.7 TEST 4 EREAKDOWN: 65.7 TEST 5 BREAKDOWN: 74.7	etic RE Roon KU KU
Tes	ting Standard:	IEC 156 .		AUERANE: CS.:	kŲ
	Tested by	y : Checked by	1: Hosan	Witnessed by:	wif
te: 19-01-2	017	ZAFAR IQBAL DT-TEST FIELD TRANSFORMERS	TEST FIELD		Jr.

	VALIDUS ENGINEERING Three		Single Three	Phase TES		ST REPORT		Dry Type Oil immersed			
	Customer	U S Apparel (& Textile Pvt.	Ltd. , Unit No.	3., Lahore.	L.P.K. No. 21700024					
	Туре	TSUN 6341	Calculation	No.	VETR-B0123- R095.	B0123- B5. Work Order No.		5023174W07	Vector Gro	up	YNd11
	Rating	2000 KVA	Winding Te	mp. K	55	Oil Temp K		50	Ambient To	emp. ⁰C	50
	Rated	Voltage	Primary	11000	Volts	Rated C	Irrent	Primary		105.0	Amps.
	(at no	load)	Secondary	400	Volts			Secondary		2886.8	Amps.
	Total Losse	es (W)	26788	Uz %	7.12	Duration of T	nermal Sho I	rt Circuit S	ec. 3	Frequency	/ 50 C/s
	Power	Prim wdg.	28000	V to Sec. w	/dg./Earth	Insulation	Prim-Sec	>2000	MΩ	1000	Volts
	fieq. rest	Secondary	winding	3000	1/ to Earth	Resistance	Prim-Earth	>2000	MΩ	1000	Voits
	(r dind	Ti	winning		V to Latur	() MIN.)	Sec-Earin	Ambiont	Tomn	.000	voits
		Phase	Phase	Phase	Acc. to	Nesistance	Pri	mary Wind	ling (Ohms	<u> </u>	Ú.
	Position	А	B.	с	spec.data	A-I	3	Г	-C	í c	-A
	1	16.686	16.684	16,685	16,671	0.604	45	0.6	0284	0,60	0373
	2	16.285	16.282	16.283	16,275	Mean :	0.60367	•			·····
)	3	15.884	15.882	15.883	15.878						
	4	15.484	15.482	15.483	15.481	Secondary		ndary Win	ding (moh	ms)	
	.5	15.083	15.081	15.082	15.084	a-l	>	t)-C	c	-a
	6	14.684	14,682	14.683	14.687	0.638	809	0.6	3739	0.6	0511
						Mean :	0.62686				
	· · · · · · · · · · · · · · · · · · ·					<u></u>	[
		0			a	þ			C		
	. NO	C =	1 Volte	Deading	Amno	U≓ Reeding	1.	Deceline	1		1
	Test	400.0	400.0	24,530	24,530	20.850	20 850	26 920	26.920	2020 0	2020 0
	Induced o	vervoltage	withstand	est 22000 / {		800 Volts 100		Cycles 60		Sec.	1.020.0
Ì			· · · · · · · · · · · · · · · · · · ·		A B		С				
	Load	C =	1.732	C =	1	C = 1		C = 1		- C= 1	
	Loss	Reading	Volts	Reading	Amps.	Reading	Amps.	Reading	, Amps,	Reading	Watts
	Test	421.9	730.7	98.280	98.280	98.280	98.280	98.280	98,280	19020,0	<u>19020.0</u>
	Calculatio	ns		A	mbient Tem	p,ºC	21.5	Ref	erence Ten	np.ºC	75
5	Rated curr	ent primary	lz Amps.		10	5,00			10	5.00	-
	Impedance	e drop Uz V	olts		78	0.70			78	3.44	
	Reactive d	rop Ux Volt	<u>s</u>		77	/1.51	·····			1.51	
		arop Ur Volt	S			9.38	-		13	6,20	بەمەرىدىيەت
	Load loses	S N/7 Matte			178	104.11			215	78,06	
	Remarks Vector Group YNd11 Confirmed			19190		I	<u></u>	00.40			
	Dielectric Strength of Oil 69.00 KV									А	0
			Tested	~~~		Checked 3	Apress.	m	Witnessed	AV/	141.
	Date	19-01-2017		ZAFAR I DT-TEST TRANSFO	QBAL FIELO RMERS		EBRAHIM HOO TEST FIEU TRANSFORM	SAIN D ERS	H	eff m	ps.
											L .

VE-TR-TF-IPI-002/01-13-04-2016

TR TEST FIELDS

	/U3 ING	U S Apparel & Textile Pvt.	Eport Ltd. , Unit No. 3. , Lahore.	
	I	Measurement of Diele	ctric Strength of Oil	
	Oil sample	→ From transformer —	→ Top	
		> From Drum		
	Sample Identifica	tion:	DATES	31/19/17
	Appearance:	Clear light Yellow colour	TIME: TEST FREQUENC .	2124 1,8Hz
	Work Order No.	5023174W07	21700024	
	Rating :	2000 kVA	IEC 156 1595 CONTINUOUS STIC	
air air an	LPK No.	21700024 .	STIRRING: 144 GAF: 2.5 ELECTRODES: 199 BREAKDOWN: 50 TEST 1 BREAKDOWN: 68 TEST 3 BREAKDOWN: 73 TEST 4 BREAKDOWN: 73 TEST 5 BREAKDOWN: 73 TEST 6 BREAKDOWN: 73	in ETIC Sam CRE SHROOM SRU SRU SRU SRU SRU SRU SRU SRU SRU SRU
L		······	34,223,434,252,25 	
ate: 1	9-01-2017	ZAFAR IQBAL DT-TEST FIELD TRANSFORMERS	Hooseni Hooseni BERAHIM HOOSAIN TEST FIELD TRANSFORMERS	mfali

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Plant Characteristics

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	Sr. No	Specification	DG# 01	DG# 02	DG# 03
	1	Generation Voltage: (V)	400	400	400
		Power Factor	0.8	0.8	0.8
)	3	Frequency (Hz)	50	50	50
-	4	Automatic generation control (V)	88	88	46
	5	Excitation Current: (A)	5.2	5.2	10.9
	6	Ramping rate	5-10 minutes	5-10 minutes	5-10 minutes
	7	Alternative fuel	HFO & HSD	HFO & HSD	HSD
	8	Cont. Rating (KVA):	1805	1805	1275
5	9	Cont. Rating (KW):	1444	1444	1020
	10	Amperes: (A)	2605	2605	1840

Chief Operating Officer

Head Office 26-M, Gulberg - III, Lahore - Pakistan I T I +92 42 358 69 721 - 24 I F I +92 42 358 35 358 Factory 20 Km, Off Ferozepur Road Glaxo town, Lahore - Pakistan 11+92 42 359 50 591 - 94 JEILa IFI+92 42 354 57 350 - 58 . dilla. **Deutschland** Langeooger Platz 1, 28219 Bremen, Germany, LTT+49 421 643 7030 LTT+49 421 643 7030 LTT+49 421 643 7031 臄

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Technical data of the generator SE 630 SA8

project/order: MAI	N B&W						21/02/06	3
1. General data								
rated power :	1805	kVA	power	r facto	or:	: 0,80		
rated power :	1444	kW	poles			: 8		
voltage :	400	V ·	speed	<u>t</u>		750	1/min	
current :	2605	A	coolir	ng		: IC 01		
frequency :	50	Hz	enclo	sure		: IP 23		
rating :	S1		coolir	ng air	temp.	: 40	°C	
insulation class :	H/H		temp.	rise a	aoc.	: F/F		
standards :	DIN EN 6	0 034-1	rules			:		
2. Resistance (at 2	20 °C)							
stator winding per	phase		: 78		mΩ			
3. Reactances (p.u	u.;saturat	ed)						
direct-axis synchro	nous reac	tance	Xd	:	2,340)		
direct-axis transien	it reactanc	Θ	Xď'	;	0,410)		
direct-axis subtran	sient react	ance	Xd"	:	0,188	}		
quadrature-axis su	btransient	reactance	Xq''	:	0,179)		
negative-sequence	e reactance	Ð	X2	:	0,184	ŧ		
zero-sequence rea	ctance		X0	:	0,052	2		
4. Time constants	2							
transient open-circ	uit time co	nstant	Td0'	: 4.	00 :	S		
transient short-circ	uit time co	nstant	Td'	: 700) 1	ms		
subtransient short-	circuit time	e constant	Td"	: 32		ms		
armature winding s	hort-circu	t time constant.	Та	: 59	i	ms		
5. Short-circuit da	ta							
asymmetric short-c	ircuit curre	ent (peak c.)	is	: :	35,20	kA		
asymmetric short-c	ircuit alter	nating c.(eff.)	lk"		13,80	kA		
sustained short-cire	cuit currer	it (eff.)	lkd	4	9,10	kА		

All values with tolerance acc. to DIN EN 60 034-1

MAN Diesel



General



The engine can be started and loaded according to the following procedure:

- A) Normal start without preheated cooling wa-Only on MDO. Continuous lubriter. cating.
- B) Normal start with preheated cooling water. On MDO or HFO. Continuous lubricating.
- C) Stand-by engine. Emergency start, with preheated cooling water, continuous prelubricating. On MDO or HFO.

Above curves indicates the absolute shortes time and we advise that loading to 100% takes some more minutes.

Starting on HFO

During shorter stops or if the engine is in a standby position on HFO, the engine must be preheated and HFO viscosity must be in the range 12-18 cSt. If the engine normally runs on HFO, preheated fuel must be circulated through the engine while preheating, although the engine has run or has been flushed on MDO for a short period.

Starting on MDO

For starting on MDO there are no restrictions except for the lub. oil viscosity which may not be higher than 1500 cSt (10° C SAE 40).

Initial ignition may be difficult if the engine and the ambient temperature are lower than 5° C and the cooling water temperature is lower than 15° C.

Prelubricating

Continuous prelubricating is standard. Intermittent prelubricating is not allowed for stand-by engines.

If the prelubrication has been switch-off for more than 20 minutes the start valve will be blocked.

Description Page 3 (4)

Operation

501.01 Edition 14

L16/24 L27/38 V28/32S L21/31

Starting

- 16) Start the engine by activating the start button on the operation box; push the button until the engine ignites, see Fig 3.
- **Note:** If the engine have been without prelubrication for more than 20 min. it will not be possible to start the engine (either remote or local). The only possibility in this case is to activate the emergency start, located directly on the starter.

Testing during Running

See Description 509.05 before operating the control panel.

Check the following on the monitoring box according to the data and setpoints sheet.

- 17) Check the lubricating oil pressure.
- 18) Check the cooling water pressure.
- 19) Check the fuel oil feed pressure.
- 20) Check that the turbocharger is running.
- 21) Check that the prelubricating oil pump stops automatically.
- 22) Check that all cylinders are firing, see exhaust gas temperatures.

Note: Check the stop cylinder (Lambda controller) for regulating the shaft works properly, both when stopping normally and at overspeed and shut down.

Check that all shutdowns are connected and function satisfactory.

- 23) Test the overspeed, see Working Card 509-01.05.
- 24) Check that all alarms are connected.

Operation

The engine should not be run up to more than 50% load to begin with, and the increase to 100% should take place gradually over 5 to 10 minutes.

Note: When the engine is running the planned maintenance programme and the following should be checked:

- 25) The lubricating oil pressure must be within the stated limits and may not fall below the stated minimum pressure. The paper filter cartridges must be replaced before the pressure drop across the filter reaches the stated maximum value, or the pressure after the filter has fallen below the stated minimum value. Dirty filter cartridges <u>cannot</u> be cleaned for re-use.
- 26) The lubricating oil temperature must be kept within the stated limits indicated on the data and setpoints sheet.
- 27) The fuel oil pressure must be kept at the stated value.
- **28)** The cylinder cooling water temperature must be kept within the limits indicated on the data and setpoints sheet.
- 29) The exhaust gases should be free of visible smoke at all loads. For normal exhaust temperatures, see the test report from shop and sea trials.
- **30)** Keep the charging air pressure and temperature under control. For normal values, see the test report from shop and sea trials.
- **31**) Recharge the starting air receivers to the described value.
- 32) To ensure full operational reliability, the condition of the engine should be continuously observed so that order for preventive maintenance work can be carried out before serious breakdowns occur, see also section 502.



Energy Metering system

Generation Side metering (LV)

Sr No	DG Set	Description	Make	CTs Ratio	Voltage input	Accuracy class of CTs
1	DG Set# 1	GC 600	Sices	3000/5	400	5P20 (K1.1)
2	DG Set# 2	GC 600	Sices	3000/5	400	5P20 (K1.1)
3	DG Set# 3	GC 500 Plus	Sices	3000/5	400	5P20 (K1.1)

Auxiliary side metering (LV)

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1 MCC Panel Power Logic PM 5300 Analizer Schneider Electric 8	0/5 125-250	5P20 (K1.1)
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Transformers incoming metering (LV)

1	Transformer# 1	Power Logic PM 5300 Analizer	Schneider Electric	4000/5	125- 250	5P20
2	Transformer# 2	Power Logic PM 5300 Analizer	Schneider Electric	4000/5	125-250	5P20

Transformers outgoing metering (MV)

1	Transformer# 1	Power Logic PM 5300 Analizer	Schneider Electric	150/5	125- 250	5P20
2	Transformer# 2	Power Logic PM 5300 Analizer	Schneider Electric	150/5	125-250	5P20

Outgoing Feeders metering (MV)

1	Feeder #1 (US4)	eeder #1 (US4) Power Logic PM 5300 Analizer		100/5	125-250	5P20
2	Feeder # 2 (US3)	Power Logic PM 5300 Analizer	Schneider Electric	50/5	125- 250	5920
3	Feeder # 3 (Spare)	Power Logic PM 5300 Analizer	Schneider Electric	50/5	125- 250	5P20
\square	t.					

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2.4 Radio interference suppression

Radio interference suppression voltage corresponds to DIN EN 61000-6-4 unless any other arrangements were made with the manufacturer.

Capacitor unit [10] provides radio interference suppression. This unit is located inside the terminal box or next to the exciter, by a three-phase connection and connected to mass connection of generator via a cable used by both elements.

2.5 Operational behaviour

2.5.1 Overload capability

Current overload of generator is permissible 10 % for 1 hour (once within 6 hours) or 50 % for 2 minutes at p.f. = 0.5. Brief overloads at motor starting operations are permissible. During overload conditions, the voltage tolerance of \pm 1 % is no longer valid.

2.5.2 Operation with different temperatures of the cooling agent

The rated output stated on the type label is only valid in conjunction with the stated temperature of the cooling agent. For other temperatures, the following output changes apply:

T/°C	30	35	40	45	50	55	60
Ps / P _N	1.06	1.03	1.00	0.96	0.92	0.88	0.84

ATTENTION! Operation in ambient temperatures above 60 °C require manufacturer approval.

2.5.3 Operation at power factors p.f. < 0.8

For power factors p.f. < 0.8, the apparent generator power must be reduced in relation to the power factor.

p.f.	0.7	0.6	0.5	0.4	0.0
P _s / P _N	0.94	0.89	0.85	0.82	0.80

2.5.4 Underspeed

Particular protection of the generator, the exciter or the regulator against underspeed of the generator drive (e.g. during warm-up) is not required. Voltage is maintained constant down to speeds of approx. 90 % of the rated speed. Below this value, the voltage is reduced approximately proportionally to the speed so that every speed is admissible **in no-load** without time limitation.

2.6 Short-circuit behaviour

The current surge $(15 - 21 \times I_N)$ occurring during short-circuit conditions goes down to the sustained short-circuit current after about 60 to 100 ms. Stable sustained short-circuit current of not less than three times the rated generator current is guaranteed for up to 5 sec. Please refer to the appendix for all other values. The sustained short-circuit current on one pole is approx. 5 - 6 x I_N.

2.7 Single operation

In single operation mode, the static current transformer can be deactivated by putting in a jumper between terminals R4 - R5 (figure 2). This guarantees optimally constant voltage level for the generator.

NOTE Single operation is possible without limitations if there is no jumper between R4 and R5 (parallel operation circuit). In this case, voltage tolerances are determined by the static setting and may be above 2 %.

2.8 Parallel operation

2.8.1 Practical applications

Brushless AEM - generators are designed for parallel operation. They are equipped with damper winding, connection for compensator circuit, static device and voltage set-point adjuster.

The following variations of parallel operation are possible:

- Parallel operation with static with other generators as long as these provide parallel operation features and if practically the same static voltage curves with falling characteristics can be set for all generators;
- Parallel operation with compensator circuits of generators of the same type;

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Description Page 1 (4)

Operation Data & Set Points

L27/38

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	Normal Value at Full load at ISO conditions		Acceptable value at shop test or after	Alarm Set point		rm Set point		p of engine
Lubrication Oil Ocatom			Topan			360.		
Lubricating Oil System								
(inlet filter) SAE 40	TI 21	68-73° C	<73° C	TAH 21	80° C	3		
Pressure after filter(inlet engine)	PI 22	4.2 - 5.0 bar	>4.5 bar	PAL 22	3.5 bar	. <u>3</u>	PSL 22 (PSL 22)	3.0 bar (2.5 bar) (D)
Pressure drop across filter	PDAH 21-22	0.1-1 bar	<0.5 bar	PDAH 21-22	1.5 bar	3		
Prelubricating pressure	(Pl 22)	0.14-1.4 bar	<1.0 bar	PAL 25	0.12 bar (H)	[`] 60	2	
Pressure inlet turbocharger	PI 23	1.3 - 2.2 bar (C)	>1.3 bar	PAI, 23	0 .9 bar	<u>3</u>		
Lub. oil level in base frame				LAL 28	- Low level	30		
Pressure before filter	PI 21	4.5-5.5 bar		LALIZO	LIBITIAAAI	30		
Crankcase protection		- - -		LAH 92 TAH 92 TDAH 92	High level (K) 75° C (K) 2° C (K)	3 3 3	LSH 92 TSH 92 TDSH 92	High level (K) 78° C (K) 3° C (K)
Temp. main bearing	TI 29	80-95° C		TAH 29	100° C (K)	3	TSH 29	105° C (K)
Fuel Oil System								
Pressure after filter MDO HFO	PI 40 PI 40	3-6 bar 5-16 bar (A)	- 	PAL 40 PAL 40	2 bar 4-6 bar (E)	5 5		
Leaking oil		-	1. 1. N. A.	LAH`42	High level	5		
Temperature inlet engine MDO HFO	TI 40 TI 40	30-40°C 110-150°C	•	· •				
Cooling Water System								
Press. LT system, inlet engine	PI 01	2.5-4.5 bar	>1.8 bar	PAL 01	0.4 + (B) bar	<u>3</u>		
Press. HT system, inlet engine	PI 10	2.0-5.0 bar	>1.8-<6 bar	PAL 10	0.4 + (B) bar	3		
Temp. HT system, outlet engine	TI 12	75-85°C	<85° C	TAH 12 TAH 12-2	90° C 93° C	3 3	TSH 12 (TSH 12)	95° C (D) (100° C)
Temp. LT system, inlet engine	TI 01	30-40°C						
Exhaust Gas and Charge Air							-	
Exh. gas temp. before TC	TI 62	480-530° C		TAH 62	570° C	10		
Exh. gas temp. outlet cyl.	TI 60	350-450° C		TAH 60	465° C	3		
Diff: between individual cyl.		average	average	TAD 60	average (L)	<u>60</u>	• •	
Exh. gas temp. after TC 330 kW/cyl 300-320 kW/cyl	TI 61 TI 61	275-400° C 275-375° C	123 0	TAH 61 TAH 61	450° C 450° C	3 3		
Ch. air press. after cooler	PI 31	2.8-3.1 bar						
Ch. air temp. after cooler	TI 31	40-55° C	<55° C					
Compressed Air System								
Press. inlet engine	PI 70	8- 10 bar	>7.5-<10 bar	PAL 70	7.5 bar	15		

10° C change in ambient temperature correspond to apprex. 15° C exhaust gas temperature change

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Operating Data and Set Points

Description Page 2 (4)

L27/38

	Normal load at l	Value at Full SO conditions	Acceptable value at shop test or after repair	n Al Artain Searcain	arm Set point	Delay sec.	Autosto	p of engine
Speed Control System			1 <u>.</u>		· ·			
Engine speed elec.	SI 90	750 r pm ·	- T.S.	SAH 81	850 rpm 862 rpm (D)	<u>0</u>	SSH 81 (SSH 81)	850 rpm (862 rpm) (D)
	SI 90	720 rpm		SAH 81	. 815 rpm 828 rpm (D)	<u>0</u> .	 SSH 81 (SSH 81) 	815 rpm (828 rpm) (D)
Turbocharger speed	SI 89	(M)	. <u>.</u>	SAH 89	(J)	3	÷ .	
Alternator								
Winding temperature	TI 98	100° C		TAH 98	130° C	3		
Bearing temperature	TI 27	40-60° C	1 1 N.	TAH 27	.85° C	3		
Miscellaneous			e e e e e e e e e e e e e e e e e e e					
Jet system failure				SX 32	switch	<u>10</u>		
Monitoring system failure		24 VDC ± 15%		UX 95-1	switch	120	-	
Safety system fallure		24 VDC ± 15%	· .	UX 95-2	switch	120	-	
Turning engaged				ZS 75	Engaged (F)	0		
Local indication			· . ·	ZS 96	switch	0		
Remote indication				ZS 97	switch	0		
Common shutdown				SS 86	switch (F)	Q		
Monitoring sensor cable failure				SX 86-1	switch	120		
Safety sensor cable failure				SX 86-2	switch	120		
Start failure				SX 83	switch (G)	10		
Stop signal				SS 84	switch (F)	0		
Stop failure				SX 84	switch	<u>30</u>		
Engine run	SI 90	720/750 rpm		SS 90	710 rpm (ĺ)	0		
Ready to start			1	SS 87	switch	0		

_ For these alarms (with underscore) there are alarm cut-out at engine standstill.



Power Plant Efficiency

Designed Efficiency of Power Plant at ISO ref conditions	44.70%
Gross Efficiency of Power plant at Mean Site Conditions	43.90%
Net Efficiency of Power plant at Mean Site Conditions	42.59%

ISO Reference conditions				
Intake air temperature	25 ^o C			
Barometric Pressure	100 kPa			
Relative humidity	30%			
Cooling water temperature	25 °C			
bef. charge air cooler				
Net calorific value	42,700 Kj/Kg			

Mean site conditions				
Intake air temperature	45 °C			
Barometric Pressure	100 kPa			
Relative humidity	30%			
Cooling water temperature	35 °C			
bef. charge air cooler				
Net calorific value	42,700 Kj/Kg			

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Ref. Calculations:-

1. Designed Efficiency of plant at ISO ref. conditions = 1 kwh / mass (fuel) * cv (fuel)

= 1 kWh / 0.188 kg * 42700 kj/kg

= 44.7 %

2. Gross Efficiency of Plant at mean site conditions

Ambient temp = 45 ^oC

Atmospheric press = 100 kpa

LT cooling water temp = $35 \, {}^{\circ}C$

Gross efficiency = 1 kWh / 0.192kg * 42700 kj/kg

= 43.9 %

3. Net efficiency of Plant at mean site conditions

Auxiliary consumption = 80 kW

Net efficiency

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= 0.97 kWh / 0.192kg * 42700 kj/kg

= 42.59 %

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L27/38, L27/38S

5L27/38: 300 kW/cyl., 6-9L27/38 330 kW/

cyl. at 720 rpm

	Fuel consum	ption (g/kWh) w	ith HFO/MDO a	nd without attac	hed pumps ¹⁾		
% Load	100	85 ²⁾	75	50	25		
ISO reference conditions (see below)	182	178 ²⁾	177	180	197		
¹⁾ Tolerance +5% ²⁾ Fuel consumption at 85% MCR							

Table 1: Fuel consumption.

5L27/38: 320 kW/cyl., 6-9L27/38 330 kW/

cyl. at 750 rpm

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	Fuel consum	ption (g/kWh) w	ith HFO/MDO a	nd without attac	hed pumps ¹⁾		
% Load	100	85 ²⁾	75	50	25		
ISO reference conditions (see below)	183	180 ²⁾	179	182	200		
¹⁾ Tolerance +5% ²⁾ Fuel consumption at 85% MCR							

Table 2: Fuel consumption.

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Fuel oil consumption for emissions standard

L27/38, L27/38S

Reference conditions

ISO reference conditions (according to ISO 3046-1: 2002; ISO 15550: 2002)					
Intake air temperature T _r	°C	25			
Barometric pressure pr	kPa	100			
Relative humidity Φr	%	30			
Cooling water temp. bef. charge air cooler $T_{\rm cr}$	°C	25			
Net calorific value LCV	KJ/kg	42,700			

Table 3: ISO reference conditions.

For operation with MGO SFOC will be increased by 2 g/kWh					
With built-on pumps, the SFOC	will be i	increased in [%] by:			
Lub. oil main pump	1.2 x	$\left(\frac{110}{10ad\% + 10}\right)\%$			
LT Cooling water pump	0.7 x	$\left(\frac{110}{10ad\% + 10}\right)\%$			
HT Cooling water pump	0.7 x	$\left(\frac{110}{10ad \% + 10}\right)\%$			
For other reference conditions,	the SFC	DC is to be corrected by:			
 Ambient air temperature Ambient air pressure Cooling water to air cooler Lower calorific value	rise rise rise rise	10°C 0.6 % 10 mbar - 0.07% 10°C 0.7 % 427 kJ/kg - 1.0 %			

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