

**OFFICE OF THE CHIEF ENGINEER (E&M)-W**  
**KARACHI WATER & SEWERAGE BOARD**

No. KW&SB/CE/E&M-W/2014/ 28  
Dated: 21-11-2014

M/s. Risal Co.,  
Contractor,  
Karachi.

**LETTER OF ACCEPTANCE / SANCTION LETTER**

**SUBJECT:- LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1<sup>ST</sup> PHASE PUMP HOUSE DHABEJI**

On behalf of the employers, it is notified that following the approval of the Managing Director, KW&SB vide Para-31/N, your bid for the subjected work is hereby accepted for the sum of Rs 18,99,760/= (Rupees Eighteen Lac Ninety Nine Thousand Seven Hundred Sixty only) as worked out / evaluated by Procurement / Evaluation Committee-I vide Para-42/N and financially concurred by Finance Department, KW&SB vide Para-46 to 56/N duly approved by M.D., KW&SB vide Para-58/N. The expenditure is chargeable to B.G. No.6123-27 for the financial year 2014-2015.

There is now binding contract between KW&SB and M/s. Risal Co.


In accordance with the existing practice in vogue in KW&SB, you are required to enter in to and execute a Contract agreement. This agreement shall be signed by the employer and M/s. Risal Co.

Provide with the 02% @ Rs 18,99,760/= of above cost as performance security in accordance with existing clause of SPPR Rules-2010 in shape of Bank Guarantee / Pay order or Bank Draft from any scheduled Bank of Pakistan.

You are therefore, directed to contact Resident Engineer, Dhabeji (Pumping) Division Office for execution of Agreement, the value of Stamp paper will be Rs.5,700/= @ 0.30% of sanctioned cost which should be produced by you.

All correspondence onward shall be carried out through Superintending Engineer (P&F)-1, KW&SB.

In case of failure, the Letter of Acceptance / Sanction Letter shall be stand cancelled.

  
( Noor Muhammad Chohan )  
Chief Engineer (E&M)-W  
K. W. & S. B.

Copy to:-

1. The D.C.E. (E&M)-W, KW&SB.
2. The S.E.(P&F)-1, KW&SB. With directives to abide all codal formalities under Rules SPPR-2010 before submission of Bill. Original work file of the above subjected work is enclosed herewith.
3. The Director Accounts, KW&SB.
4. The A.D. (LFA), KW&SB.
5. Office copy.

**OFFICE OF THE RESIDENT ENGINEER DHABEJI DIVISION (P)KW&SB.**

NO: R.E/Dhabeji/Division (P)/Acctts/2013-14/ 347 Dhabeji the 26<sup>th</sup> November,2014

M/S. Risal & Co.,  
Contractor,  
Karachi.

Sub: - **WORK ORDER FOR THE WORK LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1<sup>ST</sup> PHASE PUMP HOUSE DHABEJI.**

Your tender dated:- 20-10-2014 for Rs.18,99,760/= worked out / evaluated by the procurement evaluation committee – 1 on item rate basis, has been approved by the Managing Director Karachi Water & Sewerage Board under SPPRA- 2010.

The finance department has already been concurred and booked amounting to Rs.18,99,760/=

You are further requested to please start the work as per Design and Specification, and the date of commencement may be reckoned with effect from 26-11-2014

The work is to be completed within (10) days positively, failing which penalty 0.5 % Bid cost per day of delay will be imposed/recovered as per terms and conditions of the contract

It is also mentioned here that the work is to be carried out as per specification instructions of the Engineer In charge.

RESIDENT ENGINEER  
DHABEJI DIVISION (PUMPING)  
KW&SB

Copy to

1. The Chief Engineer (E&M) KW&SB Karachi.
2. The Superintending Engineer (P & F-1) KW&SB Dhabeji.
3. The Assistant Director (Audit) KW&SB Karachi.
4. The Assistant Executive Engineer concerned Dhabeji.
5. The spare copy for bill.

RESIDENT ENGINEER  
DHABEJI DIVISION (PUMPING)  
KW&SB

**SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY**  
**CONTRACT EVALUATION FORM**  
**TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF**  
**WORKS, SERVICES & GOODS WORTH 50 MILLION (PKR) OR ABOVE**

- |     |   |  |
|-----|---|--|
| 1)  | NAME OF THE ORGANIZATION / DEPTT:   | Karachi Water & Sewerage Board   |
| 2)  | PROVINCIAL / LOCAL GOVT. / OTHER  | Local Govt Dep't   |
| 3)  | TITLE OF CONTRACT   | Locating Bearing & Sleeve  |
| 4)  | TENDER NUMBER   | Website.21529  |
| 5)  | BRIEF DESCRIPTION OF CONTRACT   | Local Mfg of locating Bearing & Sleeve for super charger 1 <sup>st</sup> Phase |
| 6)  | FORUM THAT APPROVED THE SCHEME  | M.D, KW&SB   |
| 7)  | TENDER ESTIMATED VALUE  | Rs.18,75,300/=   |
| 8)  | ENGINEER'S ESTIMATE<br>(FOR CIVIL WORKS ONLY)   | -  |
| 9)  | ESTIMATED COMPLETION PERIOD (AS PER CONTRACT)   | 90 days  |
| 10) | TENDER OPENED ON (DATE & TIME)  | 20-10-2014 at 2:00 P.M   |
| 11) | NUMBER OF TENDER DOCUMENTS SOLD<br>(ATTACH LIST OF BUYERS)  | two  |
| 12) | NUMBER OF BIDS RECEIVED   | Two  |
| 13) | NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS  | two  |
| 14) | BID EVALUATION REPORT<br>(ENCLOSE A COPY)   | Enclosed   |
| 15) | NAME AND ADDRESS OF THE SUCCESSFUL BIDDER   | M/S. Risal & Co  |
| 16) | CONTRACT AWARD PRICE  | Rs.18,99,760/=   |
| 17) | RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT<br>(I.E 1 <sup>ST</sup> , 2 <sup>ND</sup> , 3 <sup>RD</sup> EVALUATION BID) | (1) M/S. Risal & Co.<br>(2) M/S. Engineering Services                          |
| 18) | METHOD OF PROCUREMENT USED :- (TICK ONE)  |  |
| a)  | SINGLE STAGE-ONE ENVELOPE PROCEDURE _____   | <input type="checkbox"/> Domestic  |
| b)  | SINGLE STAGE-TWO ENVELOPE PROCEDURE _____   | <input type="checkbox"/> -   |
| c)  | TWO STAGE BIDDING PROCEDURE _____   | <input type="checkbox"/> -   |
| d)  | TWO STAGE - TWO ENVELOPE BIDDING PROCEDURE _____  | <input type="checkbox"/> -   |

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED I.E EMERGENCY, DIRECT CONTRACTING / NEGOTIATION ETC. WITH BRIEF REASONS:

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT \_\_\_\_\_ M.D, KW&SB

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	✓	No	
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21) ADVERTISEMENT

i) SPPRA website  
(If yes, give date and SPPRA Identification No.)

Yes	SPPRA NO.21529 ID NO _____ 2014
No	

ii) News Papers  
(If yes, give names of newspapers and dates)

Yes	The Daily Dunya, The Nation, The Express Dt.03-10-2014
No	

22) NATURE OF CONTRACT

Local	✓	Int.	
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23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	✓	No	
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24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	✓	No	
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25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?N/A

Yes		No	✓
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26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	✓	No	
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27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of consultancies)

Yes	✓	No	
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28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	✓	No	
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29) Whether names of the bidders and their quoted prices were read out at the time of opening of bids?

Yes	✓	No	
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30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?  
(Attach copy of the bid evaluation report)

Yes	✓	No	
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31) ANY COMPLAINTS RECEIVED  
(if yes, result thereof)

Yes	-
No	NO

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER  
NOTICE / DOCUMENTS  
(if yes, give reasons)

Yes	-
No	NO

33) WAS THE EXTENSION MADE IN RESPONSE TIME?  
(if yes, give reasons)

Yes	-
No	NO

34) DEVIATION FROM QUALIFICATION CRITERIA  
(if yes give reasons)

Yes	-
No	NO

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE  
SELECTED FIRM IS NOT BLACK LISTED

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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36) WAS A VISIT MADE BY ANY OFFICER / OFFICIAL OF THE  
PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN  
CONNECTION WITH THE PROCUREMENT? IF SO, DETAIL TO BE  
ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:  
(if yes, enclosed a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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37) Were proper safeguards provided on mobilization advance payment in the  
contract (Bank guarantee etc.)?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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38) Special conditions, if any  
(If yes, give brief Description)

Yes	-
No	NO

39) Date of Award of Contract: D.D.(P)/Accts/2014-15/ 347 dt. 26-11-2014

  
Signature & Official Stamp of  
AUTHORIZED OFFICER  
FOR OFFICE USE ONLY

  
Resident Engineer  
Dhabeji Division (Pumping)  
KW&SB



# STANDARD BIDDING DOCUMENT

**PROCUREMENT OF WORKS**  
(For Contracts Costing up to Rs.2.5 Million)

(Press Tender)

**-: Name of Work :-**

**"LOCAL MANUFACTURING OF LOCATING BEARINGS &  
SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60  
OF 1ST. PHASE PUMP HOUSE, DHABEJI"**

**-: Name of Office :-**

## **DHABEJI (PUMPING) DIVISION**

Dhabeji Pumping Station, Tehsil Mirpur Sakro, Dhabeji Town,

Distt: Thatta

Resident Engineer, Contact # 0333-2653147

## BIDDING DATA

- (a) Name of Procuring Agency: Dhabeji (Pumping) Division, KW&SB
- (b) Brief Description of Work: LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1<sup>ST</sup>. PHASE PUMP HOUSE, DHABEJI.
- (c) Procuring Agency Address: Dhabeji Pumping Station, Tehsil Mirpur Sakro, Dhabeji Town, Dist. Thatta
- (d) Estimate Cost: On Item rate basis
- (e) Amount of Bid Security: 02% of Bid amount
- (f) Period of Bid validity: 90 Days
- (g) Security Deposit (including Bid Security): 10%
- (h) Venue, Time and Date of Bid Opening: The Tender in sealed cover superscribed with the name of the work should be dropped in the Tender Box kept in office of the Chief Engineer (IP&D) at Room No.5, Block "E", 9<sup>th</sup> Mile, Karsaz, Karachi on 20.10.2014 at 02.30 PM by Procurement Committee-I, KW&SB.
- (i) Deadline for submission of Bid along with time: 20.10.2014 at 02:00 PM
- (j) Time for completion from From written order commence: 10 Days
- (k) Liquidity damage: 0.5% of Bid Cost per day of delay
- (l) Bid Issued to Firm: M/s. *Risal Co.*
- (m) Deposit Receipt No. & Date: R. No. 3, DT: 15-10-2014
- Amount: Rs 2,000/=

*Resida*  
Resident Engineer

*[Signature]*  
TENDER CLERK  
Finance Department  
KW & SB  
Authority issuing bidding Document.

**NAME OF WORK:- LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1<sup>ST</sup>. PHASE PUMP HOUSE, DHABEIL.**

**(B) Description and rate of Items based (On Item rate basis)**

Item No.	Qty.	Description of item to be executed at site	Rate		Unit	Amount in Rupees
			Amount (in Figures)	Amount (in Words)		
1.					Job	
1.	04Nos.	Local Mfg. of Turbo Charger Bearing Sleeve for MAN Engine G7V-40/60 from special alloy casting steel (loycus grade 18 England) having composition carbon 3.2 to 3.5%, Silicon 1.8-2.0%, Manganese 0.5-0.8%, Sulphur 0.04% Max. Phosphorus 0.5%, Max Chromium 0.02 to 0.3%, Molybdenum 0.2 to 0.3%, rest of material Pig iron workable to 600°C temp and 13500-15000 rpm. making by machining overall dia solid shaft 110mm and length 220mm. making Plain Bearing portion dia 60mm, length 11mm making middle portion dia 65mm length 101mm, while making Guide Bearing portion dia 60mm, length 35mm, while making throughout inner dia 52mm from Guide Bearing portion to last Plain Bearing side except 11.5mm length at this side inner dia 42mm width 11.5mm, other inside clearance dia 54mm & length 10mm i/c making at this side keyways & making chamfered both side corner from inside hole i/c grinding polishing & lapping and case hardening and metal spray process with molybdenum wire as per German standard and instruction of Engineer in charge.	Rs 238,690/-		Each	Rs. 954,760/-
2.	04 Sets	Local Mfg. of Turbo Charger (Plain & Guide) Bearing from Centrifugal casting Bronze metal base alloy preferably Copper, Lead, Tin, Zinc, Manganese, Nickel, Feo. Silicon Manganese, Arsenic, Silver, Cobalt in proper composition and percentage oval high temp 1094°F and 13000-15000 rpm having specification size as under:- <b>Turbo Charger Plain Bearing</b> OD = 115mm, width 22mm at middle portion while one slot at middle portion for Oil purpose having OD=91mm, Width 8mm i/c 03Nos. holes 3mm dia throughout sleeve side OD = 89mm, width 13mm & exhaust rotor side OD=89mm width 8mm and chord 15mm ID of Bearing 60mm through width 38mm one internal slot at corner for oil purpose exhaust side depth 7mm, width 3mm, One key slot at middle 19 x 10mm for Super Charger rotor as per sample & drawing				

Handwritten signatures and initials at the bottom of the page.



Item No.	Qty.	Description of item to be executed at site	Rate		Unit	Amount in Rupees
			Amount (in Figures)	Amount (in Words)		
		<b>Turbo Charger Guide Bearing</b> OD = 115mm & Width 22mm at middle portion while one slot at middle for Oiling purpose having OD = 95mm, width 5.5mm i/c 05Nos. holes 5mm dia and 3mm dia throughout Sleeve side dia 104mm, width 10mm and exhaust rotor side dia 89mm, depth 10mm. ID of Bearing 60mm depth 35mm, while sleeve side internal dia 65mm and depth 8mm, both front side bearing provided 12 grooves wedge shape for special lubricating one key lot at middle 10 x 10mm for Super charger rotor as per drawing and German Standard (Plain & Guide Bearing).	Rs 236,250/-		Set	Rs. 945,000/-

Total: Rs: 1,899,760/-

*[Signature]*  
 Resident Engineer

I/We hereby quoted Rs. 1,899,760/- Rupees  
*One million eight hundred ninety nine thousand seven hundred and sixty* Only)

execution of above work and I/ We hereby undertaking accept all clauses of SPPR-2010 and comply the Rules of KW&SB.

**M/S RISAL CO**

*[Signature]* Proprietor  
 Signature of Contractor  
 With name of firm & Seal

Address \_\_\_\_\_  
 Contact # 0322-3541433  
0324-2484424

1-Tender/Quotation received in sealed cover and open by Tender Opening Committee  
 2-No cutting or overwriting found/cutting or overwriting found.  
 3- Contractor has enclosed Earnest money of bid amount pay order Rs. 2,80,000/- No. AAA-11093648 Dt. 14.10.14  
 Draw on ABC  
 Contractor M/s. Risal Co  
 has quoted Rs. 1,899,760/- Rupees. Exp. Plan. Co. Conf. 10/10/14

*Thousand Seven Hundred Sixty Only*

*[Signature]*  
 A.D. (E&M) Water  
 (Member Secretary)

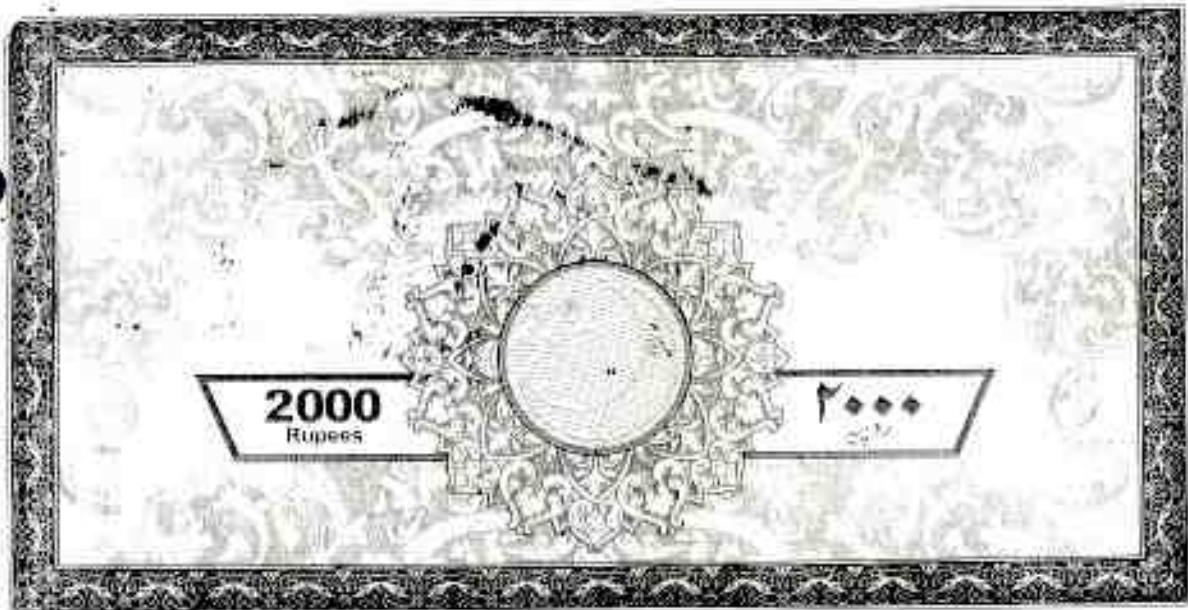
*[Signature]*  
 D.E. (E&M) Water  
 (Member)

*[Signature]*  
 Add. Dir.  
 Internal Audit/AGAC  
 (Member)

*[Signature]*  
 S.E. (R&C)  
 (Member)

*[Signature]*  
 C.E. (R&D)  
 (Member)





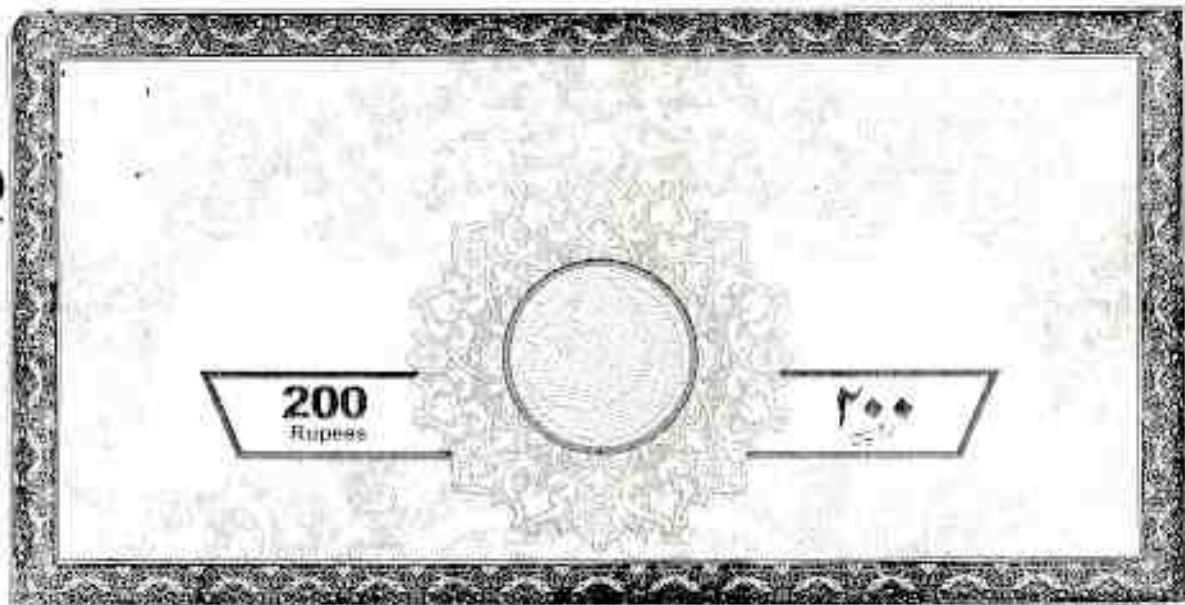
M. Nazam Stamp Vendor  
No. 11, Karfa Plaza  
Central Kanser  
50888  
AMBAD AFZAL  
C No 100  
19 NOV 2014

Contractor's quoted amount as evaluated / recommended by Procurement - Evaluation Committee-I, KW&SB vide Para-42/N and financially concurred by the Finance Department, KW&SB vide Para-46 to 56/N duly approved by the Managing Director, KW&SB vide Para-58/N, the amount put to tender. According to the specifications and general terms and conditions vide Para-7&8 CT/WA 19-Cycle duly signed by the Contractor have made them fully acquainted with its meanings.

WHEREAS 10% Security Deposit (02% Earnest Money on Quoted amount is deposited by Contractor in favour of KW&SB) will be deducted from the Contractor's bill and such amount have given a lien over as security for the due fulfillment of the contract and the Contractor abide all the terms and conditions and aforesaid specification of the tender. Security Deposit deducted to be refunded after three months of satisfactory completion of the work.

The payment to be made by KW&SB to the contractor as per prevailing legal / codal practice





050574  
ADJUL REHMAN KHAN  
ADVOCATE  
REGISTRATION NO. 11292/P/C

18 NOV 2014

AGREEMENT

Between

M/s. Risal Co.,  
and  
Karachi Water & Sewerage Board.

Name of Work:- LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1<sup>ST</sup> PHASE PUMP HOUSE, DHABELI.

*Salahuddin*  
M/s. Risal Co.,  
(Contractor)

*[Signature]*  
RESIDENT ENGINEER  
(DHABELI (PUMPING) DIVISION,  
KW&SB)



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE CHIEF ENGINEER (IP&D)**

**BID EVALUATION REPORT**

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2014/118 INF/KRY-3045/14 (i) The Daily "Dunya", (ii) The Daily "The Nation" (iii) The Daily "The Express" Dated: 03/10/2014, SPPRA Serial No.21529 I.D No. /2014
3	Tender Description/Name of Work/Item	LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1ST PHASE PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Website/Press
6	Total Bid Documents Sold	2 Nos
7	Total Bid Received	2 Nos
8	Technical Bid Opening Date (if applicable)	N/A.
9	No. of Bid Technically Qualified (if applicable)	N/A.
10	Bid (s) rejected	Nil
11	Financial Bid Opening Date	20/10/2014

12 Bid Evaluation Report

S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s.Risal & Co.	Rs. 1,899,760/-	1st Lowest	@ 6.866% Above	Substantially Responsive	P.O # AAA11895640 Dt: 14/10/2014 Rs.38,000/- ABL Buffer Zone Br
2	M/s. Engineering Services	Rs.1,980,000/-	2nd Lowest	@ 11.379% Above	Substantially Responsive	P.O # 11015760 Dt: 14/10/2014 Rs.40,000/- HBL Al- Azam Square Br

The all concerned bidder are being informed accordingly.  
The E.E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Risal & Co. declared as the lowest responsive bidder by the Committee and recommended for Sanction from Competent Authority.

(Muhammad Riaz)  
Accounts Officer (E&M-W)  
Member/Secretary

(Saif-ul-Haque)  
Additional Director Internal  
Audit - KMC Member

(Maqsood Ahmed Shaikh)  
Superintending Engineer (KMC)  
Member

(Noor Muhammad Chohan)  
Chief Engineer (E&M-W)  
Member

(Abdul Rahim Khattai)  
Chief Engineer (IPD), (Convener)

Method of Procurement: Single Stage Single Envelope.

Name of Work: LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1ST PHASE PUMP HOUSE, DHABEJI

MINUTES OF BID OPENING MEETING.

A meeting of the procurement committee of this department was held on 20-10-2014 for opening the bids received in respect of subject NIT till deadlines of submission. The meeting was attended by all / following members of the procurement committee and the representative of bidders. (Attendance sheet is enclosed).

- 2. Two bidders submitted their bids till the deadline of submission.
  - i. M/s. Risal & Co.
  - ii. M/s. Engineering Services


3. The bids were opened at 2.30 P.M in the presence of the above mentioned participants and the rates quoted by bidders were read aloud and encircled by Chairman of the Procurement Committee.

S. No	Name of Firm	Quoted Price	Amount of Bid Security	Pay Order No. / Date
01	M/s. Risal & Co.	Rs. 1,899,760/-	Rs. 38,000/-	P.O # AAA11895640 Dt: 14/10/2014 ABL Buffer Zone Br
02	M/s. Engineering Services	Rs. 1,980,000/-	Rs. 40,000/-	P.O # 11015760 Dt: 14/10/2014 HBL Al- Azam Square Br

4. The bids do not contain any over-writing or cutting.

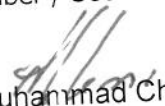
5. The committee shall examine all the bids as per the qualification / eligibility criteria provided in the bidding document and verify the documents and bid security submitted by the bidders (if required).


The meeting ended with the vote of thanks to and from the chair.

  
 (Muhammad Riaz)  
 Accounts Officer (E&M-W)  
 Member / Secretary

  
 (Saif-ul-Haque)  
 Additional Director Internal  
 Audit – KMC Member

  
 (Maqsood Ahmed Shaikh)  
 Superintending Engineer (KMC)  
 Member

  
 (Noor Muhammad Chohan)  
 Chief Engineer (E&M-W)  
 Member

  
 (Abdul Raheem Khattai)  
 Chief Engineer (IPD)  
 Convener



**BIDDERS QUALIFICATION REPORT**  
**Rule-46(i) (a) Single Stage One Envelope Procedure**

Opening Date: 20-10-2014

Name of Work: **LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1ST PHASE PUMP HOUSE, DHABEJI**

Name of Bidder **M/s. Risal & Co.**

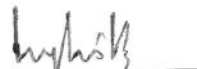
S.No	Eligibility	Yes	No
1	Relevant experience	✓	X
2	Turnover Statement	✓	X
3	Registration with Income Tax	✓	X
4	Registration with Sales Tax where applicable.	—	—

Name of Bidder **M/s. Engineering Services**

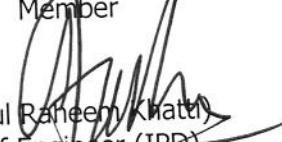
S.No	Eligibility	Yes	No
1	Relevant experience	✓	X
2	Turnover Statement	X	✓
3	Registration with Income Tax	✓	X
4	Registration with Sales Tax where applicable.	—	—

  
 (Muhammad Riaz)  
 Accounts Officer (E&M-W)  
 Member / Secretary

  
 (Saif-ul-Haque)  
 Additional Director Internal  
 Audit – KMC Member

  
 (Maqsood Ahmed Shaikh)  
 Superintending Engineer (KMC)  
 Member

  
 (Noor Muhammad Chohan)  
 Chief Engineer (E&M-W)  
 Member

  
 (Abdul Raheem Khattak)  
 Chief Engineer (IPD)  
 Convener

COMPARATIVE STATEMENT

NAME OF WORK: LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1ST PHASE  
PUMP HOUSE, DHABEJI

S.No	Description of Work	Engineer's Estimate				M/s. Risal & Co.		M/s. Engineering Services	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount
1	Local Mfg. of Turbo Charger Bearing Sleeve for MAN Engine G7V-40/60 from special alloy casting steel (loyees grade 18 England) having composition carbon 3.2 to 3.5% Silicon 1.8-2.0% Manganese 0.5-0.8%, Sulphur 0.04% Max, Phosphorus 0.5% Max Chromium 0.02 to 0.3% Molybdenum 0.2 to 0.3% rest of material Pig Iron workable to 600° C temp and 13500-15000 rpm making by machining overall dia solid shaft 110 mm and length 220 mm, making Plain bearing portion dia 60mm, length 11mm making middle portion dia 65mm length 101 mm, while making Guide bearing portion dia 60 mm, length 35 mm, while making throughout Inner dia 52mm from Guide bearing portion to last Plain bearing side except 11.5 mm length at this side inner dia 42 mm width 11.5mm, other inside clearance dia 54 mm, & length 10 mm i/c making at side keyways and making chamfered both side corner from inside hole i/c grinding polishing and lapping and case hardening and metal spray process with molybdenum wire as per German standard and instruction of Engineer incharge	4.00 Nos	223,075.00	Each	892,300.00	238,690.00	954,760.00	247,500.00	990,000.00
2	Local Mfg. of Turbi charger (plain and guide) bearing from Centrifugal casting Bronze metal base alloy preferably copper, lead, tin, Zinc, Manganese, Nickel, Fero, Silicon, Manganese, Arsenic, Silver, Cobalt in proper composition and percentage avail high tem 1094° F and 13000-15000 rpm having specification size as under <b>Turbo Charger Plain Bearing</b> OD=115 mm, width 22mm at middle portion while one slot at middle portion for oil purpose having OD=91mm, width 8mm i/c 03 Nos,holes 3mm dia throughout sleeve side OD=89 mm, width=13mm & exhaust rotor side OD=89 mm width 8mm and chord 15 mm ID of bearing 60 mm through width 38mm one internal slot at corner for oil purpose exhaust side depth 7mm, width 3mm, One key slot at middle 19X10mm for Super charger rotor as per sample and drawing								

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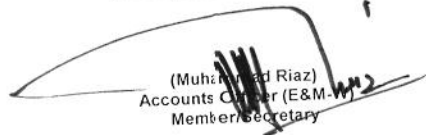
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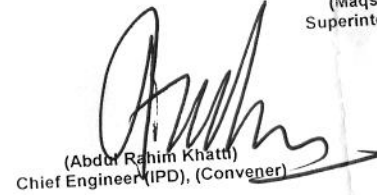
NAME OF WORK: LOCAL MANUFACTURING OF LOCATING BEARINGS & SLEEVE FOR SUPER CHARGER OF MAN ENGINE G7V-40/60 OF 1ST PHASE PUMP HOUSE, DHABEJI

S.No	Description of Work	Engineer's Estimate				M/s. Risal & Co.		M/s. Engineering Services		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	
	<b>TurboCharger Guide Bearing</b> OD=115 mm, width 22mm at middle portion while one slot at middle portion for oil purpose having OD=95mm, width 5.5 mm i/c 05 Nos,holes 5mm dia throughout sleeve side dia 104 mm, width=10mm & exhaust rotor side dia 89 mm depth 10 mm ID of bearing 60 mm depth 35mm, while sleeve side internal dia 65mm and depth 8mm, both front side bearing provided 12 grooves wedge shape for special lubricating one key lot at middle 19X 10 mm for Super charger rotor as per sample and drawing and German standard (Plain & Guide Bearing)	4.00	Sets	221,350.00	P/Set	885,400.00	236,250.00	945,000.00	247,500.00	990,000.00
						1,777,700.00	1,899,760.00	1,899,760.00		1,980,000.00
	Say					1,777,700	1,899,760			1,980,000

  
(Muhsin Riaz)  
Accounts Officer (E&M-W)  
Member/Secretary

  
(Noor Muhammad Chohan)  
Chief Engineer (E&M-W)  
Member

  
(Saif-ul-Haque)  
Additional Director Internal  
Audit - KMC Member

  
(Abdul Rahim Khattai)  
Chief Engineer (IPD), (Convener)

  
(Maqsood Ahmed Shaikh)  
Superintending Engineer (KMC)  
Member