**SHEDULE ‘‘B”**

**Name of work: - providing, installing pumping machinery 10 bhp & repair of surface drains, collecting tank, and repair of transformer 25kva for o/m rural drainage scheme raju nizamani district tando muhammad khan.**

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| **S.NO** | **ITEM** | **QUANTITIY** | **RATE** | **UNIT** | **AMOUNT** |
|  | **GROUP-A REPAIR OF SURFACE DRAINS** | | | | |
| 1. | Earth work excavation in ashes, sand soft soil or silt clearance undressed lead upto 50’ ft: (GSI No-1 P/1) | 7437.53 | Rs:-1663/75 | P.%o Cft | Rs:-12374/- |
| 2. | Extra for wet earth work (G S I No:15 P/3) | 7437.53 | Rs:-1058.75 | P.%o Cft | Rs:-7874/- |
| 3. | Dismantling brick work in lime or Cement morter (G.S.I No.13 P/3) | 170.3 | Rs:-1285.63 | P.%o Cft | Rs:-7874/- |
| 4. | Extra of every 50 ft: additional lead of part therof (a) for earth work soft ordinary hard and very hard) (Car.S.I.No:8 P/2). | 7607.78 | Rs:-5240.56 | P.%o Cft | Rs:-39869/- |
| 5. | Pucca brik work in foundation and plinth in cement morter 1:6 (G.S.I. No:4(I) P/3. | 697.50 | Rs:-11948.36 | P.%o Cft | Rs:-83340/- |
| 6. | Construction of standard open drain cunette block of cement concrete (1:2:4) in situ to the design profile i/c cost of mould as per drawing i/c applying of floating coats of cement 1/32 thick to exposed face finished smooth curring etc complete as per detailed drawing (P.H.S.I No: D(1) P/58). | 25.00 | Rs:-174.00 | P.%o Rft | Rs:-4350/- |
| 7. | Cement plaster 1:4 upto 12” height ½” thick (G.S.I. No:11 (b) P/57). | 1575.00 | Rs:-2283.93 | P.%o Sft | Rs:-35972/- |
| 8. | RCC work i/c all labour & material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also i/c all kinds of forms would lifting shuttering i/c screening and washing of single (a) RC work in roof slab beams columns rats lintels and other, structure members laid in site in all respect ratio (1:2:4) (GSI.NO; 6 P/18). | 35.8 | Rs:337.0 | P.%o Cft | Rs:-12070/- |
| 9 | Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire (also includes removal rust from bars) (GSI.NO; 8 P/17). | 1.44 | Rs:5001.70 | P. CWT | Rs:-7198/- |
| 10. | Barrow pit excavation undressed lead upto 100ft: (a) Ordinary soil. (GSI.NO;3(a) P/1). | 3937.5 | Rs:-2117.50 | P:%Cft: | Rs:- 8338/- |
| 11 | Earth work compaction (soft ordinary or hard soil) laying earth 6”leveling dressing leveling to complete.(GSI.NO; (b) P/3). | 3937.5 | Rs:-354.00 | P:%Cft: | Rs:- 1394/- |
| 12. | Carriage of 100 Cft/5 tons of all material stone aggrate spawl, coal,lime,surkhi, etc BG Rail fastening and crossing bridge, Girders,Pipes,Sheets, Raiks,M.S Bars etc or 1000 Nos Briks10”x5”x3” or 1000 Nos Tiles, 12”x6”x2” or 150 cft of Timbers or 100 mounds of fuel wood by truks or any other mean owned by the contractor. | 3937.5 | Rs:-502.52 | P:%Cft: | Rs:-19787/- |
|  | **TOTAL RS:** | | | | **285093/-** |
|  | **GROUP-B REPAIR OF TRANSFORMER** | | | | |
| 1. | Taking out 25kv transformer & repair of 3 Nos coils i/c changing of oil from disposal works for necessary repair @ Hyderabad and refixing at same place (rate approved by Chief Engineer PHED vide No 3516 Dt:-26-12-2008 for Drg. Sch. Jhando Khoso. | 1.0 | Rs:-64400 | P.Job | Rs:-64400/- |
|  | **TOTAL RS:** | | | | **644000/-** |
|  | **GROUP-C REPAIR OF COLLECTING TANK 15” & SCREENING CHAMBER** | | | | |
| 1. | Cleaning of collecting tank / sump below grand level i/c dewatering of sullage water and disposal of garbage solid waste etc out side the tank etc complete. | 838.24 | Rs:-11900.00 | P:%Cft: | Rs:-9975/- |
| 2. | Providing and fixing in portion C.C foundation 1:3:6 M.S ladder of M.S angle iron 2” x 2” 1’- 0” apart with M.S bars 3/2” dia approved 1’-0 apart painting three coats with a;terosive steel paint etc complete(P.H.S.I. No: 3 P/42). | 27.0 | Rs:-342.90 | P:% Rft: | Rs:-9258 /- |
| 3. | Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, grider,tanks etc i/c cutting riveting, handling assembling and fixing but excluding erection in position. (G.S.I No:2 P/91) | 1.93 | Rs:-4928.49 | P:% CWT | Rs:-9505/- |
| 4. | Erection & fitting in position of Iron trases stage of water tanks etc. | 1.93 | Rs:-271.04 | P:% CWT | Rs:-523/- |
|  | **TOTAL RS:** | | | | **33473/-** |
|  | **GROUP-DPROVIDING & INSTALLING PUMPING MACHINERY** | | | | |
| 1. | Providing & Installing inposition i/c transportation to site of work at village Raju Khan Nizamani Diesel Engine Pumping Set BHP with 1400 RPM mounted on coupled with non cologing sullage pump type 2.1/2”x3” size mounted on common steel frame or basse plate capable of discharge 60 gallons per minute against a head of 70 ft: i/c making cement concrete foundation ration (1:2:4) and C.C (1:4:8) with ballast with M.S nuts and bolts of 1/2” dia to be embedded in C.C foundation i/c testing of pumping set against the required head of 72 hours etc. complete. | 1.0 | Rs:-345058 | P.Set | Rs:-345058/- |
| 2. | Making / installing M.S pipe made out M.S sheet 3/16” thick cutting, bending, folding to correct curvature and shape i/c welding, etc complete (As per R.A.A by D.G. PHED Hyd:  6” dia  4” dia | 318.0  44.0 | Rs:-346.20  Rs:-230.80 | P:Rft:  P:Rft: | Rs:6232/-  Rs:10155/- |
| 3. | Making / installing M.S pipe made out M.S sheet 3/16” thick cutting, bending, folding to correct curvature and shape i/c welding, etc complete (As per R.A.A by D.G. PHED Hyd:  6” dia  4” dia | 8.0  8.0 | Rs:-770.44  Rs:-550.77 | Each  Each | Rs:6164/-  Rs:4406/- |
| 4. | C.I short piece. (S.M.I No:9 P/15)  6” dia  4” dia | 1.0  1.0 | Rs:-550  Rs:-487.5 | Each  Each | Rs:550/-  Rs488/- |
| 5 | Supplying C.I Bend with flanged ends with holes i/c truning face for all size. (S.R.M.I No:8 P/12) | 3.30 | Rs:-6096.0 | P.Cwt | Rs:-20139- |
| 6 | Supplying C.I trappers 2 ½ x 3 flate bottmed or central trappered flange ends with holes, i/c turning and facing turning and of flange for all size (S.M.I No: 9 P/11). | 0.9 | Rs:-6096.0 | P.Cwt | Rs:-5715/- |
| 7. | Supplying C.I Tee flange ends with holes, i/c turning and facing turning and of flange for all size (S.M.I No: 9 P/12). | 0.98 | Rs:-6096.0 | P.Cwt | Rs:-5987/- |
| 8. | Reflax valve heavy pattern test pressure 300 lbs/sq inch: S.M.I No: 6 P/11).. | 2.0 | Rs:-1706.3 | Each | Rs:-3413/- |
| 9. | Foot valve heavy pattern with cone type gate. S.M.I No: 4 P/93). | 2.0 | Rs:-893.8 | Each | Rs:-1788/- |
| 10. | C.I Sluice valve heavy pattern (Test pressure 300 lbs. (P.H.S.I No:2 P/10). | 2.0 | Rs:-5460.0 | Each | Rs:-10290/- |
| 11 | Jointing C.I/M.S flanged piped & special flanged & inside trenches i/c supplying rubber packing of the required thickness nuts & bolts testing etc & other tools requiring for jointing and testing the jints to the specified pressure etc complete (P.H.S.I No: MP P/40)  4” dia  6” dia | 8.0  9.0 | Rs:-339.55  Rs:-513.00 | Each  Each | Rs:2716/-  Rs:4617/- |
|  | **TOTAL RS:** | | | | **428346/-** |

**TERMS AND CONDITIONS**

1. The rates should be inclusive of all taxes i,e sale tax,octori,royalities etc if any.
2. No separate carriage will be allowed to the Firm/Contractor.
3. No premium will be allowed on Non schedule items.
4. The testing of work will be arranged by the Firm/Contractor at his own cost. No separate payment will be made.
5. Sweet water will be used in construction work.
6. Any error or omission in the specification item will be governed by the relevant specification & schedule of rates.

CONTRACTOR/FIRM EXECUTIVE ENGINEER

PUBLIC HEALTH ENGG. DIVISION,

TANDO MUHAMMAD KHAN.