



Project :
BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

Well No. :
 District : **Panchagore**
 Thana : **Autorary**
 Union : **Toria**

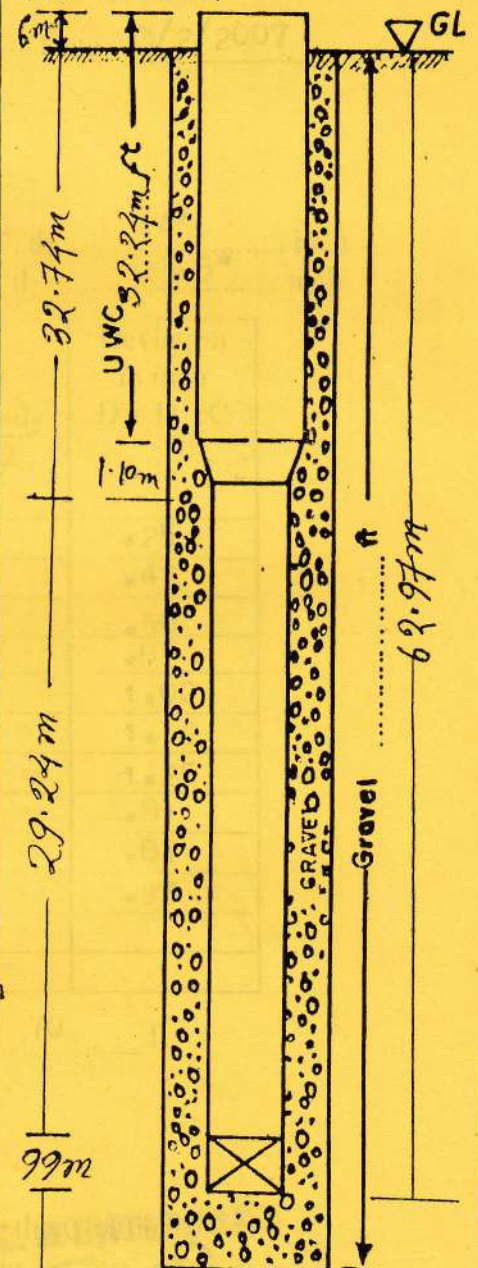
Engineer :
 BARIND MULTIPURPOSE
 DEVELOPMENT AUTHORITY

Drilling Contractor :
KH. ENTERPRISE.

Mouza : **Sukhati**
 J.L. No. : **31**
 Plot No. : **4406**
CONSTRUCTIONS DETAILS

Operation	Date	Started	Date	Completed	
Drilling	3/2/07	7.00 HRS	3/2/07	17-00 HRS	
Casing		HRS		HRS	
Gravel Placing	-DO-	19-00 HRS	-DO-	23-00 HRS	
Drilling diameter 22" / 24"/44"					
Housing Pipe (Dia 14") mild steel					
LWC					6M.
UWC (incl. Reducer)					32.74M. ft. below GL
Without lapping 1.5M					Total length (ft) 33.34M.
L.W.C. (Dia inch) mild steel					
Depth below GL					
From.....to..... Length (ft)					
From.....to.....					
Total length (ft)					
Screen (8) inch slot, stainless steel/FG Dia 6"/8"/14"					
Depth below GL From 32.74M. to 61.98M. Length (ft)					29.24M
From.....to.....					
Without lapping .76M.					Total length (ft) 29.24M
Bailplug (Dia. 8")					
Depth below GL From 61.98M. to 62.97M.					.99M
Centralizers					
Depth below GL at					
32.74/38.74/44.74/50.74/56M/62M.					
Total Numbers					6 Nos.
Gravel					
Gravel quantity (approx) 15.57Cum					cf.
Depth below GL From GL. to 220M					Length (ft) 15.57cfum
Fixture length					
from top of UWC to bottom of Bail plug					63.57M.
Verticality test					
max. deviation 1.50 inch at 90M					ft
Depth					
Date 3/2/2007					
Material used: h/P with reducer + screen + Bail plug					
34.84+30+.99=65.83M.					
Lapping: 1.5+.76=2.26M.					

Cross Section of the well
 (NOT TO SCALE)



Ordered depth 62.97M.
 (From GL to Bottom of Bail plug)

SAE/Sr. SAE
 Date :

Asslt. Engineer
 Date :

For the Contractor
 Date :

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before Shrouding

1. Well No. :
2. District : Faridkot
3. Upazilla : Autoary
4. Union : Toria
5. Mouza : Sukhoti
6. J.L. No. : 31
7. Plot No. : 4406
8. Total Length of the Tubewell : 209'-3"
9. Length of UWC (Excluding Reducer) 110' ft. Date : 3/2/2007
10. Name of Sinking Contractor : KH. ENTERPRISE.

VERTICALITY DATA SHEET

Suspension Height (H) 10 ft. Dia of UWC, d_1 14" inch
Dia of Disc, d_2 13.5" inch

Depth in ft. L.	Deviation in inch X	Bearing Reading Pointing North	Calculated Deviation in inch $D' = \frac{X(L+H)}{H}$	Disc Factor $C = \frac{d_1-d_2}{2}$	Deviation in inch $D = D' + C$
10'	0	-	-	.25	.25
20'	1/16	SE	.18	.25	.43
30'	1/16		.25	.25	.50
40'	1/8		.62	.25	.87
50'	1/8		.75	.25	1.00
60'	1/8	-	.87	.25	1.12
70'	1/8	-	1.00	.25	1.25
80'	1/16	SE	.56	.25	.81
90'	1/16	"	.62	.25	.87
100'	1/16	"	.68	.25	.93
110'					
120'					

11. Maximum Deviation : 1.25 inch at depth 70 ft.
12. Other observation, if any :

SSAE/SAE

Date

Asstt. Engr.

Date

For the Contractor

Date

Proprietor

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

INSPECTION OF VERTICALITY OF THE TUBEWELL

After Shrouding

1. Well No. :
2. District : **Panchagore**
3. Upazilla : **Autoary**
4. Union : **Toria**
5. Mouza : **Sukhati**
6. J.L. No. : **31**
7. Plot No. : **4406**
8. Total Length of the Tubewell : **209'-3"**
9. Length of UWC (Excluding Reducer) **110'** ft. Date : **3/2/2007.**
10. Name of Sinking Contractor : **KH. ENTERPRISE.**

VERTICALITY DATA SHEET

Suspension Height (H) **10** ft. Dia of UWC, d_1 **14"** inch
Dia of Disc, d_2 **13.5** inch

Depth in ft. L.	Deviation in inch X	Bearing Reading Pointing North	Calculated Deviation in inch $D' = \frac{X(L+H)}{H}$	Disc Factor $C = \frac{d_1 - d_2}{2}$	Deviation in inch $D = D' + C$
10'	1/16	NE	.12	.25	.37
20'	1/16	-	.18	.25	.43
30'	1/16	-	.25	.25	.50
40'	1/16	-	.31	.25	.56
50'	1/16	-	.37	.25	.62
60'	1/16	-	.43	.25	.68
70'	1/8	-	1.00	.25	1.25
80'	1/8	-	1.12	.25	1.37
90'	1/8	-	1.25	.25	1.50
100'	1/16	NE	.68	.25	.93
110'					
120'					

11. Maximum Deviation : **. 1.50** inch at depth **90** ft.
12. Other observation, if any :
13. Straightness : Dolly passed upto ft. freely in the UWC.

SSAE/SAE

Date : **৩/২/০৭**

(Assist. Engineer)

Date : **৩/২/০৭**

For the Contractor

Date : **৩/২/০৭**

Proprietor

উপ সহকারী প্রকৌশলী
বিঃদ্রঃ- BMDA-2, 262 (প্রকৌশলী জোন)
আইটিআর, নজরুল।

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY

RAJSAMBI

DEVELOPMENT RECORD

(Period: 2 hour)

Page No: 1

Date: 1/1/2020	Well No:
Starting Time: 8 hrs 0 minute, Capacity of Pump: 2 cusec	District: Barind
Ref. Mark (Top of Housing): ft. above G.L.	Upazilla: Barind
Static Water Level: ft. below top of Housing Pipe	Union: Barind
Size of Pipe: inch, Size of Delivery Pipe: inch	Mouza: Sukunda
Length of UWC: 100 ft, Depth of Pump Setting: 2 ft	U.L. No: 3
	Plot No: 106

Time	Piezometric Height (inch)	Discharge (cusec)	Pumping Water Level below Reference Mark (ft.)	Actual Draw Down (ft.)	Remarks
00mn					50% Discharge
(8 hrs)					
05 mn	3.5	2.0	42'-9"	42'-9"	
10 mn			42'-9"	42'-9"	
15 mn			42'-9"	42'-9"	
20 mn			42'-9"	42'-9"	
25 mn			42'-9"	42'-9"	
30 mn			42'-9"	42'-9"	
35 mn	5.5	4.0	36'-11"	36'-11"	100% Discharge
40 mn			36'-11"	36'-11"	
45 mn			36'-11"	36'-11"	
50 mn			36'-11"	36'-11"	
55 mn			36'-11"	36'-11"	
60 mn			36'-11"	36'-11"	
65 mn			36'-11"	36'-11"	
70mn	4"	5	43'-1"	42'-2"	125% Discharge
80 mn			43'-1"	42'-2"	
90 mn			43'-1"	42'-2"	
100 mn	3"	3.5	43'-1"	42'-2"	150% Discharge
110 mn			43'-1"	42'-2"	
120 mn			43'-1"	42'-2"	
(2 hrs.)					

1 cusec = 28.32 LPS

S.SAE/SAE

Date: 1/1/2020

Asstt. Engr.

(Signature)

For the K. HENDERPRISE

Date: 1/1/2020

Proprietor



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

RECOVERY RECORD (Period : 1 hour)

Page No : 2

Date: 4/2/2007	Starting Time	10	hrs	00	Minute	Well No	
	Ref. Mark (Top of Housing)	2				District	Panchagore
						Upazilla	Autoary
						Union	Toria
	Static Water Level	11				Mouza	Sukna+1
						J.E. No	31
						Plot No	4406

Time	Water Level below Reference Mark (ft.)	Remarks
00mn		
(2 hrs)	49'-10"	
01 mn	17'-0"	
02 mn	16'-1"	
03 mn	15'-3"	
04 mn	14'-8"	
05 mn	14'-2"	
07 mn	13'-9"	
09 mn	13'-4"	
11 mn	13'-0"	
13 mn	12'-8"	
15 mn	12'-5"	
20 mn	12'-3"	
25 mn	12'-1"	
30 mn	11'-11"	
40 mn	11'-9 1/2"	
50 mn	11'-8"	
60 mn		
(3 hours)	11'-7"	

SSA/SAI
Date
C. M. P. M. D. A. (P. D.)

Asst. Engineer
Date
C. M. P. M. D. A. (P. D.)

For the Contractor
Date
K. H. ENTERPRISE
Proprietor

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

**SAND TEST RECORD
(Period : 1 hour)**

Page No : 3

Date: 4/2/2007		Well No
Starting Time 11 hrs. 00 minute, Capacity of Pump 3 cusec	District	Panchagore
Ref. Mark (Top of Housing) 2 ft above G.L.	Upazilla	Autary
Static water level 11 ft below top of Housing Pipe.	Union	Toria
Size of Orifice 5 inch, Size of Delivery Pipe 6 inch	Mouza	Sukhati
Length of UWC 100 ft, Depth of Pump setting 63 ft.	J.L. No	31
	Plot No.	4406

Time	Pumping Water Level below Ref. Mark (ft)	Sand Content
00mn		
(3 hrs)	11'-7"	
01 mn	44'-0"	
02 mn	44'-6"	
03 mn	45'-0"	
04 mn	45'-5"	
05 mn	45'-10"	
07 mn	46'-2"	
09 mn	46'-6"	
11 mn	46'-9"	
13 mn	46'-11"	
15 mn	47'-2"	
20 mn	47'-5"	
25 mn	47'-7½"	
30 mn	47'-9½"	
40 mn	47'-11"	
50 mn	48'-0"	
60 mn		
(4 hrs.)	48'-1"	

N.B.
Accepted Sand Content after 5 minutes
100 ppm and after 10 minutes-30 ppm.

Observed Result :
(a) After 5 minutes : 10 ppm
(b) After 10 minutes : 05 ppm

SSAE/SAE

Date

Asstt Engr.

Date

For the Contractor

Date

K. H ENTERPRISE
[Signature]
Proprietor

CS BRINDA 001 (P-2) শতা
আইসিআর, ৪৩২-২, আটোরা জোন
আটোরা, পঞ্চগড়।

বিশেষজ্ঞিত: ইতি কং. প্রাইভেট লিমিটেড
৬৬, বঙ্গবন্ধু সড়ক



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

PUMP TEST RECORD

Development Records
(Period : 4 hours)
150 % Discharge

Page No: 3

Page No : 4

Date: 4/2/2007	Well No :
Starting Time 12 hrs 00 minute, Capacity of Pump 3 cusec	District : Parchagore
Ref. Mark (Top of Housing) 2 ft above G.L.	Upazilla : Autoary
Static Water Level 11 ft below top of Housing Pipe.	Union : Toria
Size of Orifice 5 inch, Size of Delivery pipe 6 inch	Mouza : Sukhati
Length of UWC 100 ft, Depth of Pump Setting 63 ft.	J.L. No : 31
	Plot No : 4406

Time	Piezometric height (ft)	Discharge (cusec)	Pumping Water Level below Ref Mark (ft)	Actual Draw-Down (ft)	Remarks
00mn (4 hrs)	113"	3.00	48'-1"	37'-1"	Back Wash only one time
05 mn			45'-11"	34'-11"	
10 mn			46'-4"	35'-4"	
15 mn			46'-8"	35'-8"	
20 mn			47'-0"	36'-0"	
30 mn			47'-3"	36'-3"	
40 mn			47'-5"	36'-5"	
50 mn			47'-7"	36'-7"	
60 mn			47'-8"	36'-8"	
75 mn			47'-9"	36'-9"	
90 mn			47'-10"	36'-10"	
120 mn			48'-0"	37'-0"	
150 mn			48'-1 1/2"	37'-1 1/2"	
180 mn			48'-2 1/2"	37'-2 1/2"	
210 mn			48'-3 1/2"	37'-3 1/2"	
240 mn (8 hrs)			48'-4"	37'-4"	

S SAE/SAE

Date: 4/2/2007

C/S-BMDA-001 (P-1)

Asstt Engr.

(Date: 4/2/2007)

সহকারী প্রকৌশলী

বিদ্যমান, ইও/ইউ-২, আটোয়ারী জোম
আটোয়ারী, নরসিংদী

For the Contractor

Date:

K. H. ENTERPRISE

[Signature]

Proprietor

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH

PUMP TEST RECORD

(Period : 1 hours)

150% Discharge

Page No: 5

Date: 4/2/2007	Well No :
Starting Time 16 hrs 00 minute, Capacity of Pump 3 cusec	District : Panchagore
Ref. Mark (Top of Housing) 2'-0" ft. above G.L.	Upazilla : Autaary
Static Water Level 11'-0" ft. below top of Housing Pipe.	Union : Toria
Size of Orifice 5 inch, Size of Delivery Pipe 6 inch	Mouza : Sukhati
Length of UWC 100 ft, Depth of Pump Setting 63 ft.	J.L No : 31
	Plot No : 4406

Time	Piezometric Height (ft)	Discharge (cusec)	Pumping Water Level below Ref. Mark (ft.)	Actual Draw-Down (ft.)	Remarks
1	2	3	4	5	6
00mn (8hrs.)	113"	3.00	48'-4"	37'-4"	
01 mn			"	"	
02 mn			"	"	
03 mn			"	"	
04 mn			"	"	
05 mn			"	"	
06 mn			"	"	
07 mn			"	"	
09 mn			"	"	
11 mn			"	"	
13 mn			"	"	
15 mn			"	"	
20 mn			"	"	
25 mn			"	"	
30mn			48'-4 1/2"	37'-4 1/2"	
40 mn			"	"	
50 mn			"	"	
60 mn (9 hrs)			48'-5"	37'-5"	

S SAE/SAE

Date: ১৫/০৫/২০২০

উপ-সহকারী প্রকৌশলী

C.10-13MHA2-118(P-5)

அட்டவழி

u. ingr.

Date _____

[illegible]

শিক্ষণার্থিত

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

For the Contractor

Date 10.9

Proprietor

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAISAH**

RECOVERY RECORD
(Period : 2.5 hours)
150% Discharge

Page No:6

| | | |
|--|----------|------------|
| Date: 4/2/2007 | Well No | |
| Starting Time 17 hrs 00 minute, Capacity of Pump 3 cusec | District | Panchagore |
| Ref. Mark (Top of Housing) 2 ft. above G.L. | Upazilla | Autoary |
| Static Water Level 11 ft. below top of Housing Pipe | Union | Toria |
| Size of Orifice 5 inch, Size of Delivery Pipe 6 inch | Mouza | Suknati |
| Length of UWC 100 ft., Depth of Pump Setting 63 ft. | J.L. No | 31 |
| | Plot No | 4406 |

| Time | Water Level below Reference Mark (ft.) | Remarks |
|------------------------|--|----------------------|
| 00mn
(9 hrs) | 48'-5" | Pumping discontinued |
| 02 mn | 15'-0" | |
| 04 mn | 14'-0" | |
| 06 mn | 13'-5" | |
| 08 mn | 13'-0" | |
| 10 mn | 12'-7" | |
| 15 mn | 12'-3" | |
| 20 mn | 12'-1 1/2" | |
| 25 mn | 12'-0" | |
| 30 mn | 11'-10 1/2" | |
| 40 mn | 11'-8 1/2" | |
| 50 mn | 11'-7" | |
| 60 mn | 11'-6" | |
| 75 mn | 11'-5 1/2" | |
| 90 mn | 11'-4 1/2" | |
| 105 mn | 11'-4" | |
| 120 mn | 11'-3 1/2" | |
| 135 mn | 11'-3" | |
| 150 mn
(11.5 hours) | 11'-2 1/2" | |

S SAE/SAE

Date ১০/০২/০৭

Asst. Engr. (ইসলাম)

Date ১০/০২/০৭

উপ-সহকারী প্রকৌশলী

সি.এম.ডি. ইউ.ডি.-২, আটোয়ারী জোন

আটোয়ারী, পঞ্চগড়

আটোয়ারী, পঞ্চগড়

For the Contractor

Date

[Signature]
Proprietor

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

MULTIPLE STEP TEST
(Period : 4.5 hours)

Page No : 7

| | | | |
|----------------------------|---------------------------------------|----------|-----------|
| Date: 4/2/2007 | | Well No | |
| Starting Time | 19 hrs 30 minute, Capacity of Pump | District | Pachagore |
| Ref. Mark (Top of Housing) | 2'-0" ft. above G.L. | Upazilla | Autoary |
| Static Water Level | 11'-0" ft. below top of Housing Pipe. | Union | Toria |
| Size of Orifice | 5 inch, Size of Delivery Pipe | Mouza | Sukhati |
| Length of UWC | 100 ft, Depth of Pump Setting | LL No | 31 |
| | | Plot No | 4406 |

| Time | Piezometric Height (inch) | Discharge (cusec) | Pumping Water Level (ft.) | Actual Draw Down (ft.) | Remarks |
|-----------------|---------------------------|-------------------|---------------------------|------------------------|----------------|
| 00mn (11.5hrs) | | | 11'-2 1/2" | - | 100% Discharge |
| 10 mn | 53" | 2.00 | 35'-10" | 24'-10" | |
| 20 mn | | | 36'-1/2" | 25'-2" | |
| 30 mn | | | 36'-4" | 25'-4" | |
| 45 mn | | | 36'-5" | 25'-5" | |
| 60 mn | | | 36'-5 1/2" | 25'-5 1/2" | |
| 90 mn | | | 42'-5" | 31'-5" | |
| 100 mn | 84" | 2.5 | 42'-7" | 31'-7" | 125% Discharge |
| 120 mn | | | 42'-8" | 31'-8" | |
| 135 mn | | | 42'-9" | 31'-9" | |
| 150 mn | | | 42'-9 1/2" | 31'-9 1/2" | |
| 180 mn | | | 48'-7" | 37'-7" | |
| 190 mn | 113" | 3.00 | 48'-9" | 37'-9" | 150% Discharge |
| 200 mn | | | 48'-11" | 37'-11" | |
| 210mn | | | 49'-1/2" | 38'-1/2" | |
| 225 mn | | | 49'-1 1/2" | 38'-1 1/2" | |
| 240 mn | | | 49'-2" | 38'-2" | |
| 270 mn (16 hrs) | | | 36'-2 1/2" | 25'-2 1/2" | |

| | | |
|--------------------|--------|-----------|
| SWL : | 11'-0" | ft. |
| PWL : | 49'-2" | ft. |
| Final discharge | 3.00 | cusec |
| Specific Draw Down | 12.72 | ft/cusec. |

S SAE/SAE
Date
C. H. H. ENTERPRISE

Asstt. Engr.
Date
RAJSHAH

K. H. ENTERPRISE

For the Contractor
Date
Proprietor

Copy for

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH

COMPLETION CERTIFICATE OF PUMP HOUSE

Well No :
District : **Panchagora**
Upazilla : **Autoary**
Union : **Toria**
Mouza : **Sukhati**
J.L. No : **31**
Plot No : **4406**

Name of Contractor :

M. H. ENTERPRISE.

Date of Starting : **5/1/2007**

Date of Completion : **5/3/2007**

Certified that the contractor has completed the construction work of pump house successfully at the above mentioned site as per specification in accordance with clause-18 of the general and special conditions of contract.

Following works have been completed specifically and checked the works personally:

| SL. No. | Descriptions of works | Completed (Yes/No.) | Remarks |
|---------|--|---------------------|---------|
| 1. | Plastering work | Yes | |
| 2. | Slab casting | Yes | |
| 3. | Roof casting | Yes | |
| 4. | Discharge box | - | |
| 5. | White washing | Yes | |
| 6. | Lime tracing/Bitumin emulsion | Yes | |
| 7. | Fitting of door made of wood/metal sheet with proper paint | Yes | |
| 8. | Pump and Engine base | Yes | |
| 9. | RCC beam | Yes | |
| 10. | Ditch filling and Site development | Yes | |
| 11. | Lock & Key supply (2 nos) | Yes | |

SSAE/SAE

Date

স্বঃ মোঃ আব্দুল হক
সহকারী প্রকৌশলী
বিভাগীয়, ইকিউইস: আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

Asstt Engr.

Date

স্বঃ মোঃ নজিবুল ইসলাম
সহকারী প্রকৌশলী
বিভাগীয়, ইকিউইস: আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

For the Contractor

Date

M. H. ENTERPRISE
[Signature]
Proprietor

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before Pump Installation

1. Well No. :
2. District : **Porcchagora**
3. Upazilla : **Autogary**
4. Union : **Toria**
5. Mouza : **Suklati**
6. J.L. No. : **31**
7. Plot No. : **4406**
8. Total Length of the Tubewell : **209' - 3"**
9. Length of UWC (Excluding Reducer) **110'** ft. Date : **3/2/2007.**
10. Name of Sinking Contractor : **K.L. ENTERPRISE.**

VERTICALITY DATA SHEET

Suspension Height (H) **10** ft. Dia of UWC, d_1 **14"** inch
Dia of Disc, d_2 **13.5"** inch

| Depth
in ft.
L | Deviation
in inch
X | Bearing
Reading
Pointing
North | Calculated
Deviation
in inch
$D' = \frac{\lambda(L+H)}{H}$ | Disc
Factor
$C = \frac{d_1 - d_2}{2}$ | Deviation
in inch
$D = D' + C$ |
|----------------------|---------------------------|---|---|---|--------------------------------------|
| 10' | 1/16 | NE | .12 | .25 | .37 |
| 20' | 1/16 | - | .18 | .25 | .43 |
| 30' | 1/16 | - | .25 | .25 | .50 |
| 40' | 1/16 | - | .31 | .25 | .56 |
| 50' | 1/16 | - | .37 | .25 | .62 |
| 60' | 1/16 | - | .43 | .25 | .68 |
| 70' | 1/8 | - | 1.00 | .25 | 1.25 |
| 80' | 1/8 | - | 1.12 | .25 | 1.37 |
| 90' | 1/8 | - | 1.25 | .25 | 1.50 |
| 100' | 1/16 | NE | .68 | .25 | .93 |
| 110' | | | | | |
| 120' | | | | | |

11. Maximum Deviation : **1.50** inch at depth **90** ft.
12. Other observation, if any :
13. Straightness : Dolly passed upto _____ ft. freely in the UWC

SSAE/SAE

Date

C-7-BMDA2-252 (P-3)

উপ-সহকারী প্রকৌশলী
বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

Asstt. Engr.

Date

উপ-সহকারী প্রকৌশলী
বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

For the

Date

K.L. ENTERPRISE

Proprietor



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH

PUMP AND ENGINE INSTALLATION

Well No :
District : Panchagore
Upazilla : Autary
Union : Toria
Mouza : Suklati
J.I. No : 31
Plot No : 4406

Name of Contractor :

KH. ENTERPRISE.

Date of Starting :

Date of Completion :

| | | | |
|---|-----------------|--------------------------|-------|
| Engine Type | CHINA | Engine No. | - |
| Gear Frame type GP | - | Gear Drive No. | - |
| Pump Category | Submersible-60' | Pump No. | |
| Discharge Head No. | - | | |
| No. of long column pipe | 6x10' | No. of short column pipe | |
| Length of suction pipe with bell mouth : | - | | |
| Total length of pump installation | 64' | Length of discharge pipe | 1 No. |
| Is the engine exhaust pipe fixed and kept out of the pump house : Yes/No. | | | |
| Comments, if any : | | | |

SSAE/SAE

Date

Asstt Eng

Date

For the

Date

C-3-BMVA-0031P-2

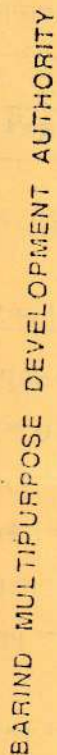
এনাথুল হক
উপ-সহকারী প্রকৌশলী
বিভাগ-২, ইউনিট-২, আটোয়ারী জোন্স
আটোয়ারী, পঞ্চগড়।

সহকারী প্রকৌশলী
বিভাগ-২, ইউনিট-২, আটোয়ারী জোন্স
আটোয়ারী, পঞ্চগড়।

KH. ENTERPRISE

M. 8A

Proprietor



FAJSHAH

COMMISSIONING ACCEPTANCE TEST

RECORD : DURATION 5 : HRS

Date 14-09-08

Starting time 08 hr 00 min

Starting time hr. min.

| Hrs Run | Time | R.P.M | Oil Pressure | Engine Temp °C | Dis-charge (Cusec) | Fuel Consumption (Galls) | | | | Time | hp-hr. = $\frac{fxnd}{60}$ | Specific Fuel consumption | Remarks | | |
|---------|--------|-------|--------------|----------------|--------------------|--------------------------|--------|--------------------|-------|-------|----------------------------|---------------------------|------------|---------|--|
| | | | | | | Stan | Stop | Fuel Used
a-b=c | Start | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 0 hr | 00017 | | | | | 00017 | | | | | | | | | |
| 1 hr | | | | | 2 | | | 22 | 8.00 | | 60 | .88 | 14'-0" | S.W.L. | |
| 2 hrs | | | | | " | | | " | | | " | | 39'-4 1/2" | | |
| 3 hrs | | | | | " | | | " | | | " | | 39'-4" | | |
| 4 hrs | | | | | " | | | " | | | " | | 39'-7 1/2" | | |
| 5 hrs | | | | | " | | | " | | | " | | 39'-8 1/2" | | |
| 6 hrs | 000149 | | | | " | | | " | | | " | | 39'-9" | | |
| | | | | | " | | 000149 | " | | 14.00 | " | | 39'-9 1/2" | 12.8947 | |

12.8947
 12.8947

ॐ नमो भगवते वासुदेवाय ॥

1. Is the Exhaust properly fixed & kept out of pump house as per clause of the contract?
2. Is the fuel tank properly fixed with the pump house (where applicable)?
3. Is the Tubewell reference plaque fixed in the pump house?

SSAE/SAE
Date.....
Signature.....
Name: জানুয়ার হক
পিতা: জানুয়ার হক
তারিখ: ২০১৮ ০৮ ০৮
স্থান: আটোয়ারা
স্বাক্ষর: জানুয়ার হক

(নাম: মঞ্জুর রহমান)।
সহকারী প্রকৌশলী
Asss. Engineer কোন
প্র. ডায়েরী সংক্রান্ত।

K. ENTERPRISE

For the Contractor ~~SA~~

Date.....

বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ

রাজশাহী।

গভীর নলকূপ হ স্থাপুর ফরম

আমি B.M.D.A. কক্ষ Panchagore
 গ্রাম Toria পোস্ট Toria জেলা Panchagore
 এতদ্বারা (সমিতির নাম) Sukma+1 পক্ষ হইতে দাগ নং 4406
 জে, এল, নং 31 মৌজা Sukma+1 উপজেলা Autogy
 জেলা Panchagore নি, এম, ডি, এ, কর্তৃক প্রাপ্ত গভীর নলকূপটি আনুসংগিক যন্ত্রপাতিসহ চালু
 অবস্থায় অদ্য তারিখঃ নি, এম, ডি, এ, এর প্রতিনিধিত্ব নিকট হইতে নলকূপ ব্যবহার
 রক্ষণাবেক্ষণ, গ্রন্থ তৈরী ও যথাযথ তত্ত্বাবধানের দায়িত্ব বৃন্দা করা যাইবে।

গভীর নলকূপের বিবরণ

- ১। ইঞ্জিনের/বিদ্যুতিক মটরের মডেল ও নং China
- ২। পাস্পের মেইক ও মডেল নং Submersible 60'h.
- ৩। গিয়ার বক্স নং _____
- ৪। ডেলিভারী পাইপ _____
- ৫। স্পাইসার স্যান্ট 1 Nos.
- ৬। টুপাসের বিবরণ _____

- ক) Starter.
- খ) Main Switch.
- গ) etc.
- ঘ) _____
- ঙ) _____
- চ) _____
- ছ) _____

১৯৭০
 (প্রতিনিধিত্ব পূর্ণ মোঃ হুমায়ুন হক
 উপ-সহকারী প্রকৌশলী)
 বিদ্যুত, ইউ-২, আটোয়ারী জোন
 আটোয়ারী, পঞ্চগড়।

১। সিন্দাদানের পাছের ENTERPRISE
 তারিখঃ M+8

Proprietor

২। নি, এম, ডি, এ, কর্তৃক
 তারিখঃ ১৯৭০
 (মোঃ হুমায়ুন হক)
 উপ-সহকারী প্রকৌশলী
 বিদ্যুত, ইউ-২, আটোয়ারী জোন
 আটোয়ারী, পঞ্চগড়।

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH.**

Plot No : 4406

Drilling Contractor

THE ENTERPRISE

DRILLING LOG

Logged by SAE BADA; Rod length 10 ft.

[illegible]

Proprietor